
PHASE I ENVIRONMENTAL SITE ASSESSMENT

HEADSTART BUILDING ST. PAUL ISLAND, ALASKA



Prepared by



National Oceanic and Atmospheric Administration
7600 Sand Point Way NE
Seattle, Washington 98115

October 19, 2005

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EXECUTIVE SUMMARY

The National Oceanic and Atmospheric Administration (NOAA) chose to prepare a Phase I Environmental Site Assessment (ESA) at the Headstart Building property in St. Paul, Alaska (Section 25 of T35S-R132W; Lot 5: Block 20, U.S. Survey No. 4943, Alaska, Tract “A,” St. Paul Townsite, accepted by the Bureau of Land Management August 2, 1968; 0.26 Acres; 1976 MOU: Parcel 6F; 1984 Transfer of Property Agreement (TOPA): Site 9). NOAA owns the subject property. However, the Aleut Community of St. Paul Island (“Tribal Government”) has asserted dominion over the building on the subject property and until September 2005 leased the building to the Aleutian-Pribilof Islands Association (A-PIA). A-PIA operated an early childhood development (“Headstart”) from the building, making it a “Child-Occupied Facility.” The Phase I ESA was conducted in accordance with American Society for Testing and Materials (ASTM) Practice E1527-00, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM 2000).

The results of this investigation represent a review of current conditions based on available information and limited observations. In addition to conducting a site reconnaissance, NOAA performed an Asbestos Hazard Emergency Response Act (AHERA) Building Inspection and Lead-Based Paint Inspection for the building. NOAA also performed a detailed review of historic records available from Federal and State databases, and obtained historic records information from the current property owner, NOAA.

The first known use of the property began in 1911, when the U.S. Navy built a radio complex on and in the immediate vicinity of the property, based on records available from the U.S. National Archives and Records Administration’s Pacific Alaska Regional Office in Anchorage, Alaska. The U.S. Navy developed the subject property, including construction of the Headstart Building (formerly called the Radio Building, but renamed the based on its most recent usage). The subject property, and particular the adjacent properties, appear to have changed significantly since that date. The building is currently unoccupied due to A-PIA’s concerns over peeling lead-based paint (LBP) inside the building.

The assessment revealed evidence of recognized environmental conditions in connection with the subject property. Specifically, NOAA determined the following conditions at the subject property:

- Non-friable asbestos was encountered in a cement pipe conduit located within the concrete footing along the western side of the building exterior and potentially throughout the building’s

crawl space, and suspected in furnace flange gaskets and valve packing. No other asbestos was encountered in the building.

- Peeling LBP was encountered or suspected on the building interior (painted concrete walls, floors, and ceilings), though much of this LBP is covered by drywall and other building features functioning as enclosures that limit the release of LBP into the building environment. Peeling lead paint constitutes a lead-based paint hazard at a child-occupied facility under the Lead-Based Paint Hazard Reduction Act of 1992 (“Title X”, [Public Law {P.L.} 102-550]). LBP in fair condition was encountered on the building exterior (concrete walls). NOAA personnel verbally informed Mr. Baker of the Tribal Government on May 13, 2005 that its preliminary results indicated peeling LBP was present inside the Headstart Building
- Lead was found along the building’s drip line in surface soil above the ADEC residential cleanup level. Lead was not found in the playground area above the cleanup level.
- Petroleum-contaminated soil (PCS) remains at the subject property above 2,500 milligrams per kilogram, the site-specific cleanup level for diesel-range organics. Remaining PCS includes contaminated soil found impracticable for removal by NOAA during its 2003 corrective action associated with the former underground storage tank. Remaining property PCS also includes soil contaminated by past and ongoing releases from the Tribal Government’s aboveground storage tank at the north end of the building. The ADEC approved conditional closure status for NOAA’s UST closure and PCS removal activities in 2005.

The Phase I ESA was conducted based on site boundaries recognized by NOAA as of May 10, 2005. This assessment has revealed evidence of recognized environmental conditions in connection with the property. For example, disclosure of the presence of LBP hazards by a non-residential building’s owner to a lessee or prospective purchaser is not explicitly required under Title X, but it would be appropriate under general disclosure practice for NOAA to do so for the subject property. Additionally, mitigation of potential exposure to the identified LBP hazards by abatement or restricting use of the building may also be appropriate for the subject property.

SECTION 1 INTRODUCTION

The National Oceanic and Atmospheric Administration (NOAA) chose to prepare a Phase I Environmental Site Assessment (ESA) at the Headstart Building property in St. Paul, Alaska (Section 25 of T35S-R132W; Lot 5: Block 20, U.S. Survey No. 4943, Alaska, Tract “A,” St. Paul Townsite, accepted by the Bureau of Land Management August 2, 1968; 0.26 Acres; 1976 MOU: Parcel 6F; 1984 Transfer of Property Agreement (TOPA): Site 9). The Phase I ESA was conducted in accordance with American Society for Testing and Materials (ASTM) Practice E1527-00, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM 2000).

1.1 SCOPE OF WORK

The scope of the Phase I ESA was to identify potential areas of environmental concern associated with the subject property. Resources that NOAA used in conducting the Phase I ESA included ASTM Practice E1527-00, public documents, Federal and State database access, visual inspection of the subject and surrounding properties, and interviews with persons knowledgeable about historic activities at the subject property.

This Phase I ESA is based on available information pertinent to the subject property and results of a walk-through site inspection. Where potential areas of environmental concern are identified, this report will recommend methods for obtaining confirmatory evidence of these concerns, including additional research, investigation, or collecting soil, sediment, surface water, or groundwater samples. In addition, the scopes of Phase I ESA’s do not include an evaluation of lead-based paint (LBP) or asbestos-containing building materials (ACBM) based on ASTM Practice E-1527-00. However, both LBP and ACBM were addressed for this property under two separate reports, consistent with the requirement of the Lead-Based Paint Hazard Reduction Act of 1992 (“Title X”, [Public Law {P.L.} 102-550]), the Asbestos Hazard Emergency Response Act (AHERA, [P.L. 99-519]) and the Asbestos School Hazards Abatement Reauthorization Act of 1992 (ASHARA, [P.L. 101-637]). These reports are provided as Appendices C and D of this Phase I ESA, and the results of these inspections are summarized in the Phase I ESA text since the identification of potential asbestos and lead-based paint hazards associated with the subject property are considered by NOAA as integral in performing environmental due diligence prior to property transfer activities under the Transfer of Property Agreement (TOPA).

1.2 PURPOSE

The purpose of this Phase I ESA is to identify whether recognized environmental conditions are present on the subject property, to enable NOAA to disclose all environmental conditions on the property prior to its transfer under TOPA.

Recognized environmental conditions are defined as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a historic release, or material threat of release of any hazardous substance or petroleum product into structures on the property or to the ground surface, subsurface soil, groundwater, or surface water of the subject or adjacent properties. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

1.3 INVOLVED PARTIES

NOAA, the trustee for the subject property, performed the Phase I ESA. Mr. Richard Zacharof (President of the Aleut Community of St. Paul Island (“Tribal Government”)), Mr. Biff Baker (employee of the Tribal Government), and Ms. Esther Baldwin (Headstart lead instructor for the Aleutian-Pribilof Islands Association (A-PIA)) were interviewed regarding the environmental condition of the subject property. The Alaska Department of Environmental Conservation (ADEC) online Contaminated Sites Database (CSD) was reviewed with regard to state environmental records for the subject property, as well as other potential contaminated sites on St. Paul Island.

SECTION 2

PROPERTY DESCRIPTION

The following sections describe the subject property and adjacent properties as observed by NOAA personnel during the May 10, 2005 site inspection and upon review of applicable maps and records. Figure 1 depicts the geographical location of the site, and Figure 2 provides detail of the subject property. Photographic documentation of the field inspection is presented in Appendix A.

2.1 LOCATION

St. Paul Island is part of the Pribilof Islands, a small island archipelago located in the Bering Sea approximately 800 miles west-southwest of Anchorage and 300 miles north-northwest of Dutch Harbor, Alaska. The City of St. Paul is situated on a peninsula in the southern portion of the island. The subject property is centrally located in the City of St. Paul, and occupies Lot 5, Block 20, Tract "A", all within Section 25, Township 35S, Range 132W, St. Paul, Alaska. Coordinates for the subject property are latitude 57°7'20.52" North and longitude 170°16'37.77" West.

2.2 PHYSICAL SETTING

St. Paul Island covers approximately 44 square miles and was created as the result of volcanic activity. The climate of the island is classified as subpolar, with weather conditions heavily influenced by the Bering Sea. Vegetation on the island is broadly classified as moist tundra. St. Paul Island is also well known for wildlife, including fur seals, northern (Steller) sea lions, harbor seals, reindeer, and numerous bird species.

The subject property is located in the City of St. Paul, between Bartlett Boulevard and Sandy Lane near northeast of the St. Paul School. The subject property is approximately 0.26 acres in size and contains a building most recently used as a Headstart early childhood development program ("Headstart Program"). The property also contains a fenced playground, an aboveground storage tank (AST) containing diesel heating oil, a multimodal storage container ("conex"), and a parking area. The surrounding areas are fairly flat to all directions, though a sand dune is located north of the subject property.

No private or public drinking water wells are located on the subject property. A total of seven groundwater wells are used to supply water for the City of St. Paul; however, these wells are all located over two miles northeast of the subject property in the vicinity of Telegraph Hill.

SECTION 3 HISTORIC REVIEW

During a Phase I ESA, several types of records commonly are reviewed to evaluate the subject property's historic uses. Often, sources of valuable historic use data include city directories, SanbornTM fire insurance maps, and aerial photographs. Because these types of information are limited in rural Alaska, interviews with knowledgeable persons familiar with historic site activities were relied upon to supplement available records pertaining to the subject property.

The following sections summarize city directory listings for the subject property, historical photographs, and other general information obtained during the Phase I ESA process.

3.1 CITY DIRECTORIES

No city directories were available for the subject property.

3.2 SANBORNTM FIRE INSURANCE MAPS

No SanbornTM Fire Insurance Map coverage was available for any property on St. Paul Island, including the subject property.

3.3 HISTORICAL MAPS AND PHOTOGRAPHS

Historical maps and photographs, including aerial photographs, were obtained from records compiled from NOAA's files. Historical maps and photographs of the subject property were reviewed for the years 1918 through 2003. Copies of the historical photographs are included in Appendix C. Results of the historical map and photograph review are as follows:

- **2003.** This photograph shows the building currently located at the subject property, during NOAA's petroleum-contaminated soil (PCS) remediation. No other exterior features of interest are apparent.

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- **1996.** This aerial photograph shows the building currently located at the subject property. Other properties within the vicinity of the subject property are generally shown as exhibiting current conditions. No other exterior features of interest are apparent.
 - **1982a.** This photograph shows the building currently located at the subject property. Other properties within the vicinity of the subject property are generally shown as exhibiting current conditions.
 - **1982b.** This aerial photograph shows a plan view of St. Paul Village. The photograph shows the subject property. No other exterior features of interest are apparent.
 - **1973.** This aerial photograph shows a plan view of St. Paul Village. The photograph shows the subject property. No other exterior features of interest are apparent.
 - **1969.** This map shows a plan view of St. Paul Village.
 - **1960s.** This photograph shows a side view of St. Paul Village, taken from the eastern portion of the village and looking westward to Village Hill. The photograph shows the subject property. No other exterior features of interest are apparent.
 - **1960.** This map shows a plan view of St. Paul Village. The map clearly shows the subject property.
 - **1951.** This map shows a plan view of St. Paul Village, in the vicinity of the former U.S. Navy Radio Complex, which includes the subject property.
 - **1948a.** This aerial photograph shows a plan view of St. Paul Village. The photograph shows the subject property.
 - **1948b.** This aerial photograph shows a side view of St. Paul Village. The photograph shows the subject property.
 - **1943.** This map shows a plan view of St. Paul Village. The map shows the subject property.

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- **1928.** This map shows a plan view of St. Paul Village. The map shows the subject property.
 - **Pre 1927.** This map shows a plan view of St. Paul Village. The map shows the subject property.
 - **1918.** This map shows a plan view of St. Paul Village. The map shows the subject property.

3.4 GENERAL

Historical information related to the subject property indicates the building was constructed in 1911 at its current location, based on records available at NOAA (NOAA 2005d) as well as from the U.S. National Archives and Records Administration's Pacific Alaska Regional Office in Anchorage, Alaska. The subject property was undeveloped prior that date.

According to Mr. Zacharof, the building at the subject property was most recently occupied by the Headstart Program, a part-time early education program administered by the A-PIA. The building is presumably managed by the Tribal Government however the official relationship between the Headstart Program and the Tribal Government is unclear. Mr. Zacharof later indicated the Headstart Program canceled its lease with the Tribal Government in September 2005 due to A-PIA's peeling LBP concerns. The building was unoccupied as of September 19, 2005 (NOAA 2005a). Mr. Baker indicated the Tribal Government improved the interior of the building from its previous industrial use for the Headstart Program, adding interior rooms such as bathrooms and a kitchen, an acoustic panel drop ceiling, insulated drywall panels over the original concrete walls, and carpeting. Mr. Baker indicated he was not aware of any previous LBP or ACBM inspections or abatements (NOAA 2005b). Ms. Baldwin, lead teacher and administrator for the Headstart Program, indicated the school year is nominally September through early May, with approximately ten five-year old children attending from 8 am to 12 pm Monday through Friday. Ms. Baldwin indicated the children play in a fenced-in playground adjacent to the southern portion of the building. Ms. Baldwin also indicated snacks are prepared for the children in the building's kitchen, and the children typically eat inside the building (NOAA 2005c).

The building was constructed as the powerhouse for that the U.S. Navy's radio station complex on St. Paul Island. Historically the building has also been called the Electronics Shop or E-Shop. The complex also included radio towers, a coalhouse, a paint house, cottages, operator's quarters, a machine shop, a fuel tank farm, a hall, a tank house, and a pump house.

In 1937, the Department of Defense transferred the radio station complex to the U.S. Bureau of Commercial Fisheries, a predecessor agency of NOAA. The transfer agreement required the Bureau to maintain the communications capability between St. Paul and the Naval radio station at Dutch Harbor, Alaska. The Navy removed most of the radio and ancillary equipment at the time of disestablishment, leaving only enough equipment for maintenance of communications with Dutch Harbor.

At the time of the transfer, a tank farm fueled the E-Shop. The tank farm was removed on an unknown date prior to 1951. Presumably the Bureau of Commercial Fisheries or NOAA subsequently installed an underground storage tank (UST) to service heat in the E-Shop.

In 1979, NOAA conveyed the majority of the land occupied by the former Naval radio station complex, as well as other island properties, to the Tanadgusix Corporation (TDX) as part of the land withdrawals made pursuant to Alaska Native Claims Settlement Act (ANCSA). The complex has been subdivided and is now in use for residential housing and commercial purposes. NOAA retained Parcel 6f, including the subject property, during the 1979 land withdrawal. Under the Transfer of Property Agreement of 1984 (TOPA), NOAA agreed to transfer Parcel 6f (then called Parcel 7) to the Aleut Community of St. Paul Island. The property has not yet been conveyed.

NOAA removed a UST and approximately 50 cubic yards of petroleum-contaminated soil (PCS). No further excavation was practicable due to the presence of buried utilities and the need to slope excavation sidewalls to prevent sloughing of soil beneath the building foundation (NOAA 2005e). One confirmation sample at 5 feet below ground surface exceeded the State of Alaska residential lead cleanup level of 400 milligrams per kilogram (mg/kg), with a concentration of 4,090 mg/kg lead. No other contaminants were identified at concentrations above the site-specific soil cleanup level of 2,500 mg/kg for diesel-range organics (DRO). ADEC approved NOAA's request for conditional closure of this soil contamination site (NOAA 2005e).

An aboveground storage tank (AST) was installed by the Aleut Community of St. Paul Island ("Tribal Government") outside the building; it is currently located at the north end of the building. NOAA observed a diesel fuel leak from the AST in 2004 and assisted the Tribal Government with removing an estimated 15 cubic yards of PCS and ultimately disposed of it at NOAA's permitted landspreading area at the National Weather Service station and as landfill cap material at Tract 42 (NOAA 2005f). Confirmation samples indicated the average DRO contamination in remaining site soil is 15,000 mg/kg. The AST was observed having a minor leak again during the building inspection on May 10, 2005. As

the AST is used to store diesel fuel for heating the building, lead is not a contaminant of concern associated with any releases from the AST.

Several groundwater monitoring wells are in the general vicinity of the subject property. Groundwater flow at and near the subject property is toward St. Paul Harbor to the north (Mitretek 2005). NOAA contractors conducted groundwater monitoring from September 2000 to July 2004 at nearby wells. Elevated levels of DRO well above the ADEC Table C cleanup level of 1,500 micrograms per liter were detected in nearby wells (TTEMI 2005). NOAA determined the source of this groundwater contamination was not associated with NOAA or its predecessor agencies (NOAA 2005d).

SECTION 4

SITE RECONNAISSANCE

During the Phase I ESA process, a site reconnaissance is conducted, and due diligence is exercised in identifying potential areas of environmental concern. The site reconnaissance focuses on evaluating the current disposition of the subject property and adjacent properties, interior storage and waste disposal areas, interior discharges, exterior storage and waste disposal areas, exterior discharges, storage tanks, and polychlorinated biphenyls (PCB).

NOAA personnel performed the field inspection of the subject property on May 10, 2005.

4.1 CURRENT DISPOSITION OF SUBJECT PROPERTY

Purpose and Scope: During a Phase I ESA, the subject property is inspected to evaluate the general condition of the buildings and structures. General observations are made about the buildings and structures on the subject property, as well as their location, size, and apparent usage. Construction features, such as ceilings and floors, are noted, as is the presence and type(s) of light fixtures and electrical equipment. Also noted are other features and anomalies that may contribute to environmental contamination. Topography, vegetation, and proximity to thoroughfares and waterways also are observed during the inspection.

Observations: The subject property is currently occupied by a The subject property is currently occupied by a two-story concrete building with a footprint measuring approximately 69-feet by 27-feet, excluding the 8-feet by 4-feet mudroom footprint. The painted metal front door is located along the northwestern portion of the building at a mudroom, and the painted metal back door is located along the southern side of the building at a wooden deck inside the fenced play area. There is no exterior access way to the second story of the building. The interior access way to the second story, also called the mezzanine level, is located by ladder through a hatchway above the drop ceiling at the northern end of the building. The floor plan for the building is shown in Figure 3.

The main floor consists of a mudroom, a classroom, a hallway, two bathrooms, a kitchen, a furnace room, a utility closet, and an office. The mudroom consists of unpainted wood flooring and painted drywall walls and ceiling, with painted metal doors leading outside and the classroom. The drywall along the wall

shared with the classroom is likely sheathing painted concrete. The classroom consists of carpeted and vinyl flooring, cove base, painted drywall walls, painted wood window frames and sills, and three types of drop ceiling panels (plastic resin, wormhole acoustic, and no hole acoustic). The classroom includes a Formica countertop with sink, as well as a painted metal circuit breaker box, along its southern wall. The mezzanine level of the building can be accessed by extension ladder through a portal located above the drop ceiling at the north end of the classroom. The hallway consists of vinyl flooring, cove base, painted drywall walls, unpainted wooden doors leading to the two bathrooms, a painted metal doorframe and door emergency exit, and wormhole acoustic drop ceiling panels. Each of the two bathrooms consist of vinyl flooring, cove base, painted drywall walls, wormhole acoustic drop ceiling panels, and Formica countertops with sinks and toilets. The kitchen consists of vinyl flooring, cove base, Formica countertops and backsplash, a sink and electric range/oven, painted drywall walls, wormhole acoustic drop ceiling panels, a painted metal door leading to the playground, and an unpainted wooden door leading to the furnace room. The furnace room consists of an unpainted wooden door, unpainted drywall walls, an oil-fired forced air furnace with exhaust and plenum, and a painted concrete ceiling. The utility closet consists of vinyl flooring, painted drywall walls, an exposed conduit, and worm hole acoustic drop ceiling. The office consists of carpeted flooring, cove base, painted drywall walls, painted wood window frame, and worm hole acoustic drop ceiling. The main floor's flooring is all installed above unpainted plywood that sheathes a painted concrete floor below, based on visual observations made when pulling carpeting away from the walls in the office. Painted concrete is on the main floor walls above the drop ceiling and is the bottom side of the concrete floor of the mezzanine level (see below). Peeling LBP was encountered on the main floor on the concrete walls and ceiling, and suspected behind the drywall on the "outside" walls of the building interior and behind the vinyl and carpet flooring. The drywall and flooring, and the plywood sheathing the concrete floor function as enclosures that limit the release of LBP into the building environment. NOAA personnel verbally informed Mr. Baker of the Tribal Government on May 13, 2005 that its preliminary results indicated peeling LBP was present inside the Headstart Building. No ACBM was encountered on the main floor of the building.

The mezzanine level is a single room running the length of the building. The mezzanine level consists of painted concrete floor, painted metal and wood roof trusses supporting unpainted corrugated metal roof panels, unpainted concrete and wood end walls, and unpainted open wood shelving units with periodic makeshift unpainted wooden doorways and doors spanning the center aisle between the shelving units. The shelving units contain electrical spare parts, potentially from past street lighting and power generation operations. Other items, including an artificial Christmas tree, compressed gas cylinder, and

1-gallon cans of paint are also stored in the mezzanine level. LBP in fair condition was encountered on the mezzanine level. No ACBM was encountered on the mezzanine level.

The building exterior consists of painted concrete, with painted plywood paneling enclosing the northern end of the mezzanine level. The roof consists of a painted corrugated metal panel roof. The wood soffits are painted along the northern end of the building but are unpainted elsewhere. A non-friable fibrous concrete conduit containing cut electrical wires is present within the concrete wall near the ground surface along the western portion of the building. The conduit potentially continues beneath the building in a crawl space, however the crawl space was inaccessible for the inspection due to the presence of Arctic fox dens and animal feces. LBP in fair condition was encountered on the building exterior. No friable ACBM was encountered on the building exterior.

The subject property also contains a fenced playground, an unpainted AST containing diesel heating oil, a multimodal storage container (“conex”), and a parking area. The playground has a large plastic play structure.

Photographs documenting the inspection can be found in Appendix A. A detailed AHERA Building Inspection Report and Lead Paint Inspection Report have been prepared under separate covers to address the asbestos release and lead-based paint; these reports include asbestos and lead sampling results and are included as Appendices C and D of this report.

4.2 CURRENT DISPOSITION OF ADJACENT PROPERTIES

Purpose and Scope: During a Phase I ESA, properties adjacent to the subject property are inspected for signs or conditions that could pose significant potential for environmental contamination on the subject property due to lateral migration of surface or subsurface contaminants from those properties. The review of adjacent properties is limited as recommended by ASTM Practice E-1527-00, and information relating to those properties provided herein should not be interpreted as comprehensive or conclusive, unless otherwise noted.

Observations: The subject property is located in a mixed land use area of St. Paul Village, with single-family residences to the west, a duplex multi-family residence to the east, and an abandoned dormitory building (“ATCO Building”) to the north. The surrounding properties were visually examined from the

subject property and public roads. There were no visual signs of contaminant releases from these adjacent properties.

NOAA removed two 1,000-gallon capacity heating oil underground storage tanks (USTs) and appurtenances, along with an estimated 120 cubic yards of petroleum-contaminated soil from two excavations, from the duplex east of the subject property in 2003. The removed UST's and appurtenances were permanently decommissioned, with the removed PCS ultimately disposed by NOAA at the National Weather Service landspreading area and/or at Landfill Cell C as landfill closure cap material (NOAA 2005e). NOAA removed all PCS above the site-specific cleanup levels to the extent practicable, as the proximity of utility lines running through the site limited excavation. NOAA identified lead at 627 mg/kg in a confirmation sample collected from a depth of two feet, exceeding the ADEC Method Two cleanup level of 400 mg/kg. The soil cleanup activities have been completed and the subsequent conditional closure request has been granted by the state for this site (NOAA 2005e).

NOAA encountered free-phase fuel oil floating atop the groundwater in 2000 when installing a monitoring well immediately north of the ATCO Building. NOAA also observed a leaking fuel oil transfer pipe beneath the ATCO Building structure in 2000 (NOAA 2005d).

4.3 INTERIOR STORAGE AND WASTE DISPOSAL AREAS

Purpose and Scope: During a Phase I ESA, interior storage areas are examined for staining or other evidence of former activities that could present a potential for environmental contamination. Containers of chemicals are examined for content and usage, and trash or rubbish accumulation is noted. In addition, designated interior disposal areas and areas conducive to waste disposal are examined for evidence of improper disposal. Finally, restrooms, drains, exterior doors, and secluded closets are visually inspected.

Observations: The building contained several 1-gallon capacity cans of paint in the mezzanine. The mezzanine level also includes electrical spare parts, potentially from past street lighting and power generation operations, an artificial Christmas tree, and a compressed gas cylinder. Cleaning supplies, as well as classroom supplies, are stored in the two closets on the main floor.

4.4 INTERIOR DISCHARGES

Purpose and Scope: During a Phase I ESA, interior discharge areas, such as drainage areas, pipe discharges, sumps, and air emission generators, are visually examined for leakage or other evidence of potential environmental contamination.

Observations: There was no evidence of releases of friable asbestos in the building. No air sampling was performed, so no definitive data is available regarding fugitive asbestos fiber emissions. Peeling lead-based paint was observed on the interior of the building, constituting a high potential release of lead. No surface dust wipe samples were collected, so the location and quantity of lead available for ingestion or inhalation was not determined. The building's sewage system discharges into the town's main sewage line, ultimately discharging into the Bering Sea near East Landing.

4.5 EXTERIOR STORAGE AND WASTE DISPOSAL AREAS

Purpose and Scope: During a Phase I ESA, exterior storage and waste disposal areas are visually inspected for signs of releases or other environmental contamination associated with historic activities. Visual and olfactory evidence of chemical or other release are noted at designated storage areas and locations suggestive of storage operations such as concrete or asphalt pads, covered or fenced areas, pits, ponds, and lagoons.

In addition, exterior waste disposal areas are examined, including garbage cans and dumpsters. Areas of stained or off-color soil, stressed vegetation, discarded empty containers, and burned residue are inspected, as are remote or obscured areas of the property conducive to dumping.

Observations: A garbage dumpster was located along the northeastern portion of the building and stored solid waste prior to pickup by the City of St. Paul. No evidence of waste disposal was observed during the site reconnaissance.

4.6 EXTERIOR DISCHARGES

Purpose and Scope: During a Phase I ESA, exterior subsurface structures are inspected for evidence of leaks, releases, or other environmental contamination associated with historic activities. The presence of subsurface structures that collect or contain liquid and sediment may represent a source of potential

environmental contamination. Areas that are inspected if present include underground voids and vaults, drains, sumps, oil/water separators, wells, pits, ponds, lagoons, and aboveground structures indicating subsurface activity.

Observations: Lead-based paint in fair condition was observed on the exterior of the building, constituting a potential release of lead. NOAA collected a composite soil sample representing surface soil (0-3 inches below ground surface) along the building's drip line. NOAA measured total lead in the drip line composite sample at 588 mg/kg, which exceeds the ADEC residential cleanup level of 400 mg/kg. No also collected a composite surface soil sample in the playground area, though the concentration was only 22 mg/kg. No other evidence of exterior discharges or waste disposal was observed during the site reconnaissance.

4.7 STORAGE TANKS

Purpose and Scope: The presence of current and historic aboveground storage tanks (AST) and underground storage tanks (UST) at the subject property is carefully evaluated during a Phase I ESA. Storage tanks are recognized as major potential sources of environmental contamination. Contamination of soil and/or groundwater may occur as a result of spills, overfills, or releases from tank systems. Such contamination would require remediation, and the property owner or operator could be responsible for remediation costs.

Observations: Currently, an estimated 125-gallon diesel heating oil AST exists at the subject property. There were signs of releases from the tank system. A 55-gallon diesel heating oil UST and its appurtenances were decommissioned by NOAA in 2000.

4.8 POLYCHLORINATED BIPHENYLS

Purpose and Scope: The subject property was inspected for items that potentially may contain PCBs such as transformers and other electrical equipment.

Observations: No equipment suspected to contain PCBs was identified at the subject property during the site reconnaissance. Fluorescent light ballasts were installed throughout the building, but those items were installed by the Tribal Government within the past 20 years and are unlikely to contain PCBs.

SECTION 5

REGULATORY RECORDS REVIEW

A regulatory records review was conducted through phone interviews with regulatory officials and by consulting available databases provided by the U.S. Environmental Protection Agency and ADEC. According to interviews, the subject property is not part of any regulatory action. Databases that were searched include the following.

Federal Records

- **Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS):** CERCLIS contains data on potentially hazardous waste sites that have been reported to the EPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites that are either proposed to or on the National Priorities List (NPL) and sites that are in the screening and assessment phase for possible inclusion in the NPL.
- **NPL:** The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the federal Superfund program.
- **Delisted NPL:** The National Oil and Hazardous Substances Pollution and Contingency Plan establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.
- **Resource Conservation and Recovery Information System (RCRIS):** RCRIS includes selective information on sites that generate, transport, store, treat, and/or dispose of hazardous waste as defined by RCRA.

State of Alaska Records

- **Contaminated Sites Database:** The Contaminated Sites Database is the State equivalent to CERCLIS. Sites contained in the CSCSL may or may not already be listed on the Federal CERCLIS list.

The subject property was not listed in any of the above listed databases.

A review was conducted of available ADEC records for active listed sites within 0.25 mile of the subject property and for active sites with groundwater contamination located within 1 mile of the subject

property. Results of the file review are presented in the table below. Six sites meeting the criteria above were identified in ADEC's Contaminated Sites Database, and three facilities within 1 mile of the subject property were listed in the federal RCRIS database.

Site Name/Address	Site Type	Distance from Subject Property	Comments/Status
Clinic Underground Storage Tank (UST) SP-1	UST	~ 800 feet southwest	ADEC "Reckey" identification number 1998250131602. Heating oil UST was removed from the St. Paul Clinic. According to the ADEC database, site contamination has been removed, but the site cannot be closed until the excavated soils (now stockpiled at the Blubber Dump (<i>sic</i>)) are remediated. The ADEC site file is still active as of April 2004.
St. Paul TDX ATCO Mancamp	AST, groundwater	~150 feet north	ADEC "Reckey" identification number 2000250126201. Aboveground storage tank on site at the TDX ATCO building has leaked or been overfilled causing impacts to the groundwater and surrounding soils. Monitoring wells installed as a part of the NOAA investigation shows that 2 feet of diesel (heating fuel) exists in MW 40-16 next to the ATCO building.
Assorted NOAA/NOS/ORR sites within St. Paul Village	Groundwater	<0.25 mile, and includes subject property	Groundwater contaminated with petroleum hydrocarbons related to past releases from USTs, ASTs, pipelines, and fuel storage drums. Vadose zone soil at these sites has been remediated to the maximum extent practicable, and the soil portions of these sites has Conditional Closure status from ADEC. Additionally, ADEC has conditionally approved use of alternative cleanup standards for groundwater and soil in much of St. Paul Village. A final groundwater remedy has not been approved for NOAA-related groundwater contamination at these sites. NOAA anticipates proposing monitored natural attenuation, which would follow the source removal work that has been completed.
St. Paul City Port 300 Dock Side Road	RCRIS	< ½ mile northwest	Identification number AKR000000489
St. Paul Delta Fuel Company Waterfront Building	RCRIS	< ½ mile northwest	Identification number AKR000000893. Conditionally exempt generator. Has used oil.
Unisea Incorporated Northwest Harbor Arm Village Cove	RCRIS	< ½ mile northwest	Identification number AK0000244053. Has used oil.

SECTION 6

CONCLUSIONS AND RECOMMENDATIONS

The results of this Phase I ESA represent a review of current conditions, based on available information and limited observations, as described in previous sections of this report.

The first known use of the property began in 1911, when the building was constructed on the subject property. The known uses of the property have been as part of the Navy's Radio Complex, a shop area for NOAA and its predecessor agencies, and an early childhood development Headstart Program. No other activities are known to have occurred on the subject property. The property has contained a UST and an AST used to store diesel heating oil. NOAA removed the UST, its appurtenances, and approximately 50 cubic yards of PCS from the subject property in 2000 and 2003. NOAA and the Tribal Government removed 15 cubic yards of PCS from the subject property in 2004 after a release from the AST. PCS above the site-specific cleanup level of 2,500 mg/kg for DRO remain at the subject property.

Conduct of lead-based paint and asbestos surveys is normally outside the scope of a Phase I ESA, however NOAA has chosen to include these potential hazards as part of this Phase I ESA. No friable asbestos was found inside or outside the building, but peeling lead-based paint was found both on the interior and the exterior of the building. A composite surface soil sample collected from the building's drip line contained lead above the ADEC residential cleanup level, but a composite sample from the playground area was below the lead cleanup level.

No electrical equipment containing PCBs was identified during the site inspection activities. Several 1-gallon cans of paint were observed in the mezzanine level of the building; no other stored chemicals were observed at the subject property, nor were signs of chemical releases observed.

NOAA performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-00 of Section 25 of T35S-R132W; Lot 5: Block 20, U.S. Survey No. 4943, Alaska, Tract "A," St. Paul Townsite, accepted by the Bureau of Land Management August 2, 1968; 0.26 Acres; 1976 MOU: Parcel 6F; 1984 Transfer of Property Agreement (TOPA): Site 9. This property boundary is preliminary and is still under negotiation. The Phase I ESA was conducted based on site boundaries recognized by NOAA as of May 10, 2005. This assessment has revealed evidence of recognized environmental conditions in connection with the property. NOAA staff recommends further consideration of these

environmental conditions, and applicable or relevant and appropriate laws and regulations prior to property transfer under the TOPA. For example, disclosure of the presence of LBP hazards by a non-residential building's owner to a lessee or prospective purchaser is not explicitly required under Title X, but it would be appropriate under general disclosure practice for NOAA to do so for the subject property. Further evaluation by a certified lead risk assessor of the risk posed to building occupants by the identified LBP hazards may also be appropriate. Additionally, mitigation of potential exposure to the identified LBP hazards by abatement or restricting use of the building may also be appropriate for the subject property.

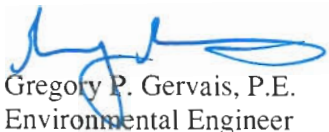
SECTION 7 LIMITATIONS

This report was compiled based partially on information supplied to NOAA from outside sources and other information in the public domain. The conclusions and recommendations herein are based on the information NOAA obtained in compiling the report. This information is on file at NOAA's office in Seattle, Washington. NOAA makes no warranty as to the accuracy of statements made by others, which may be contained in the report, nor are any other warranties or guarantees, expressed or implied, included or intended by the report except that it has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professionals performing the same or similar services.

Because the facts forming the basis for the report are subject to professional interpretation, differing conclusions could be reached. NOAA personnel performing and reviewing this Phase I ESA do not assume responsibility for the discovery and elimination of hazards that could possibly cause accidents, injuries, or damage. Compliance with submitted recommendations or suggestions does not assure elimination of hazards or the fulfillment of obligations under Federal, State, or local laws or any modifications or changes to such laws. None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature but shall be a representation of findings of fact from records examined.

The depth of this investigation is confined to the above-listed scope of work. Hazardous materials or coatings may be masked by building materials, buried beneath the ground surface, or concealed in an otherwise undetectable manner. NOAA has exercised due diligence in the conduct of this Phase I ESA but makes no warranty regarding the presence or absence of concealed features that could not be documented at the time the Phase I ESA was conducted.

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Environmental Compliance Officer

National Oceanic and Atmospheric Administration

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Bering Sea

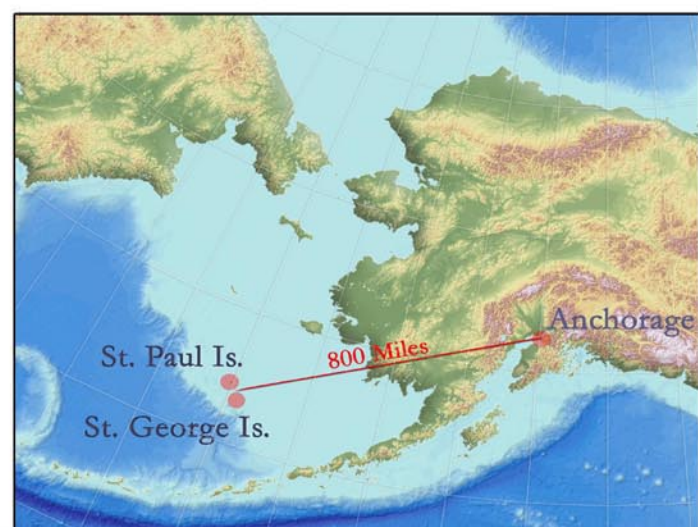
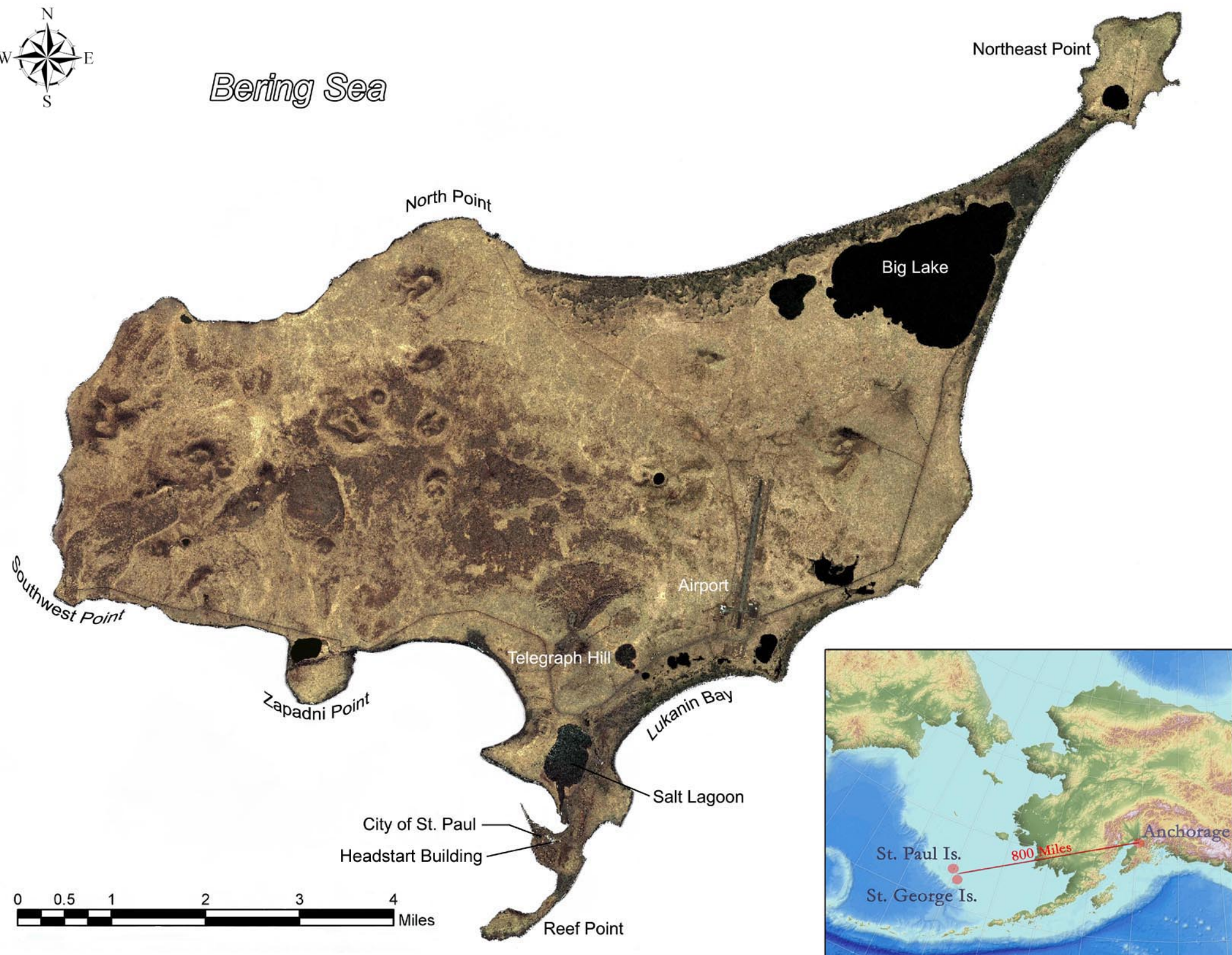
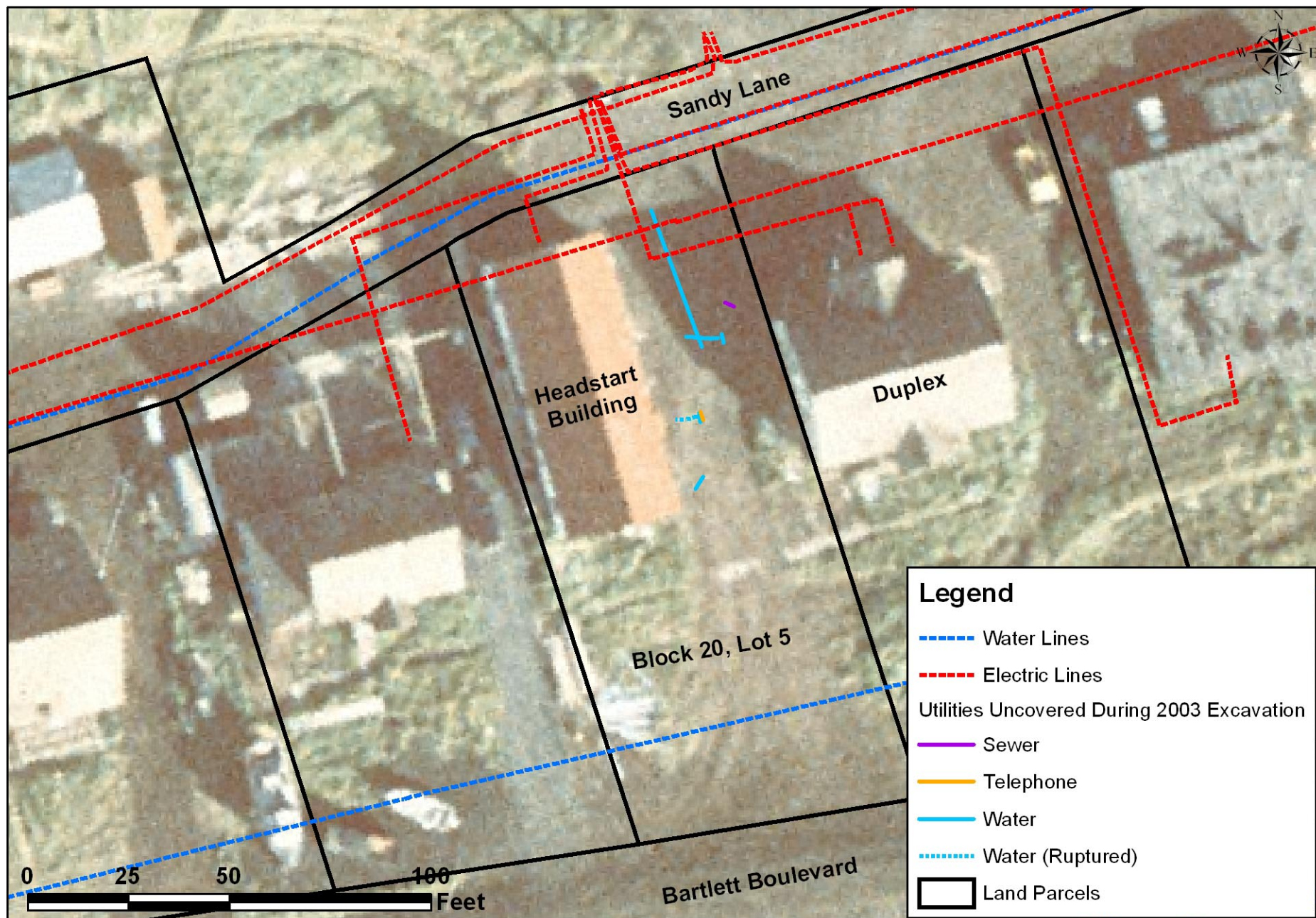


Figure
1

St. Paul Island and Vicinity of Subject Property
Headstart Building
St. Paul Island, Alaska

Source: Ikonos Satellite
Imagery, 2001





Figure

1

Subject Property
Headstart Building
St. Paul Island, Alaska

Sources: Water and Electric Utilities
(Polarconsult 2001), Utilities uncovered by
excavation and Parcel Boundaries (NOAA
Pribilof Project GIS 2005), Aerial Photo
(Aeromap US 1996).

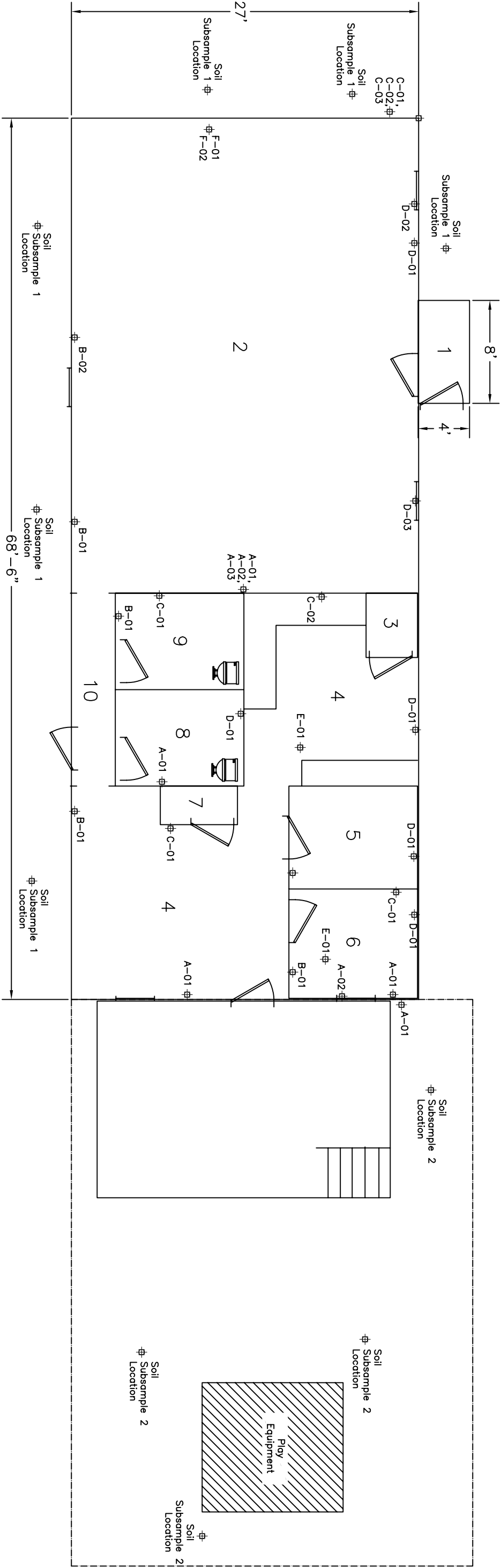


Figure 3 Room Equivalent & Lead Sample Locations, Main Floor Head Start Building Scale: 1/8" = 1'-0"

APPENDIX A
SITE RECONNAISSANCE PHOTOGRAPHS

Headstart Building
St. Paul Island, Alaska



Photo 1. Headstart Building. Building Exterior and Playground. Facing North. NOAA. May 2005



Photo 2. Headstart Building. Building Exterior, Garbage Can, and Conex. Facing Southwest. NOAA. May 2005



Photo 3. Headstart Building. Tribal Government Diesel AST. Facing Southeast. NOAA. May 2005



Photo 4. Headstart Building. Non-Friable ACM Conduit in Building Foundation. Facing Southeast. NOAA. May 2005



Photo 5. Headstart Building. Peeling LBP on Concrete Ceiling at Trap Door Opening to Mezzanine Level. NOAA. May 2005



Photo 6. Headstart Building. Mezzanine Level. Facing South. NOAA. May 2005



Photo 7. Headstart Building. Classroom Vinyl and Carpet Flooring. NOAA. May 2005



Photo 8. Headstart Building. Wormhole and Plastic Resin Ceiling Tiles, and Light Texture Drywall in Classroom. NOAA. May 2005



Photo 9. Headstart Building. Bathroom. NOAA. May 2005



Photo 10. Headstart Building. Medium Texture Drywall. NOAA. May 2005



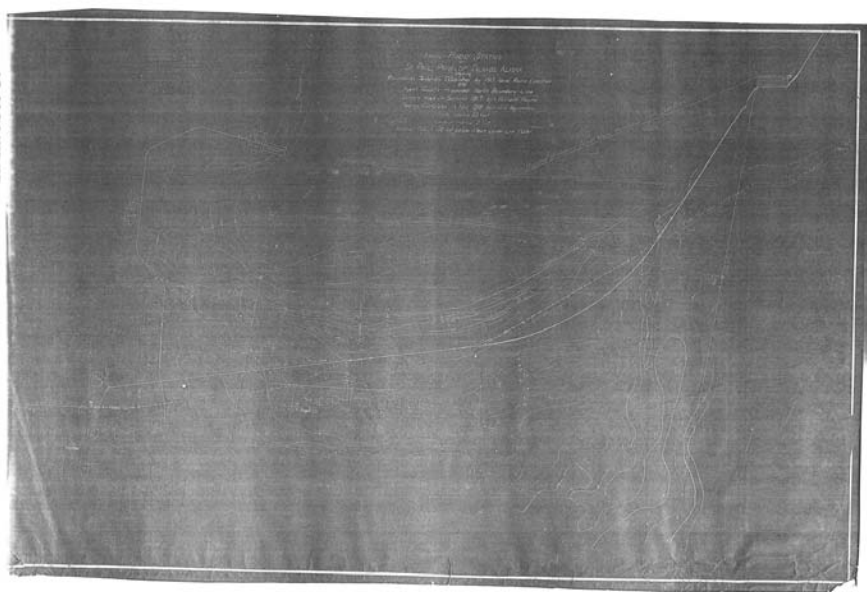
Photo 11. Headstart Building. Drywall and Exterior Door in Mudroom. NOAA. May 2005



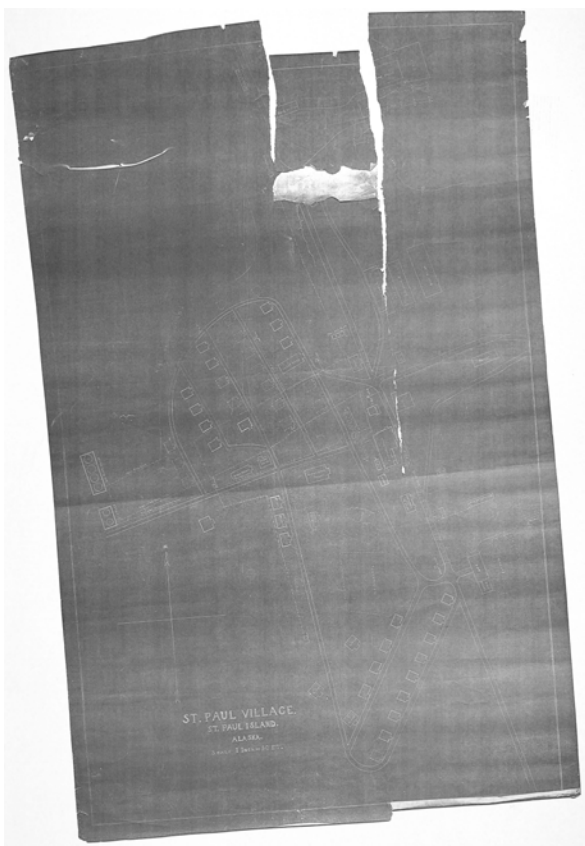
Photo 12. Headstart Building. Area Between Concrete Ceiling and Drop Ceiling. NOAA. May 2005

APPENDIX B
HISTORICAL MAPS AND PHOTOGRAPHS

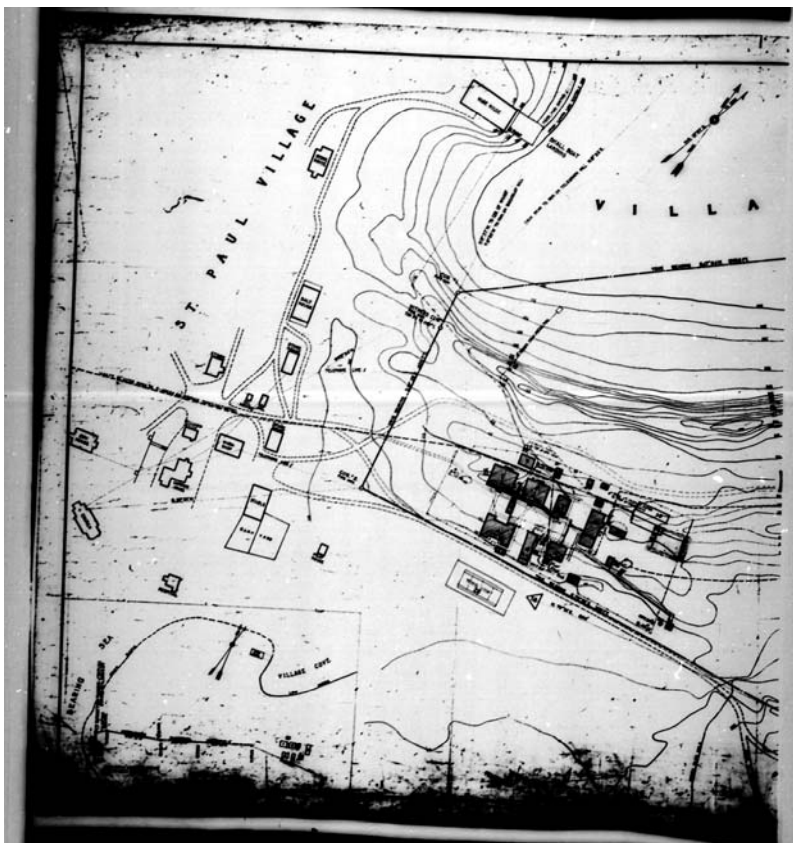
Headstart Building
St. Paul Island, Alaska



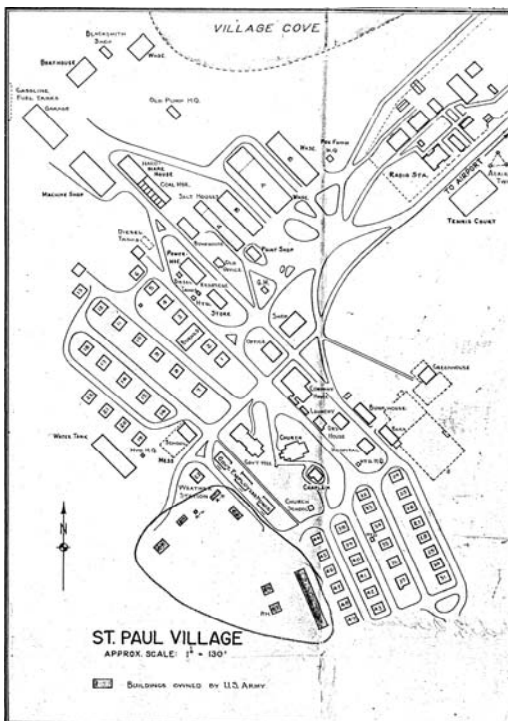
1918 Map. St. Paul Village.



Pre-1927 Map. St. Paul Village.



1928 Map. St. Paul Village.



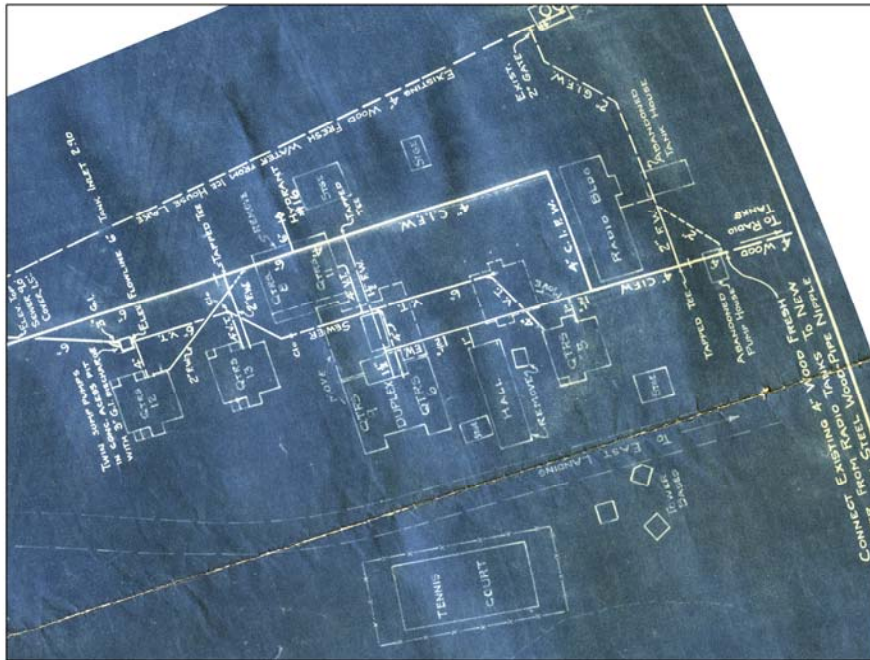
1943 Map. St. Paul Village.



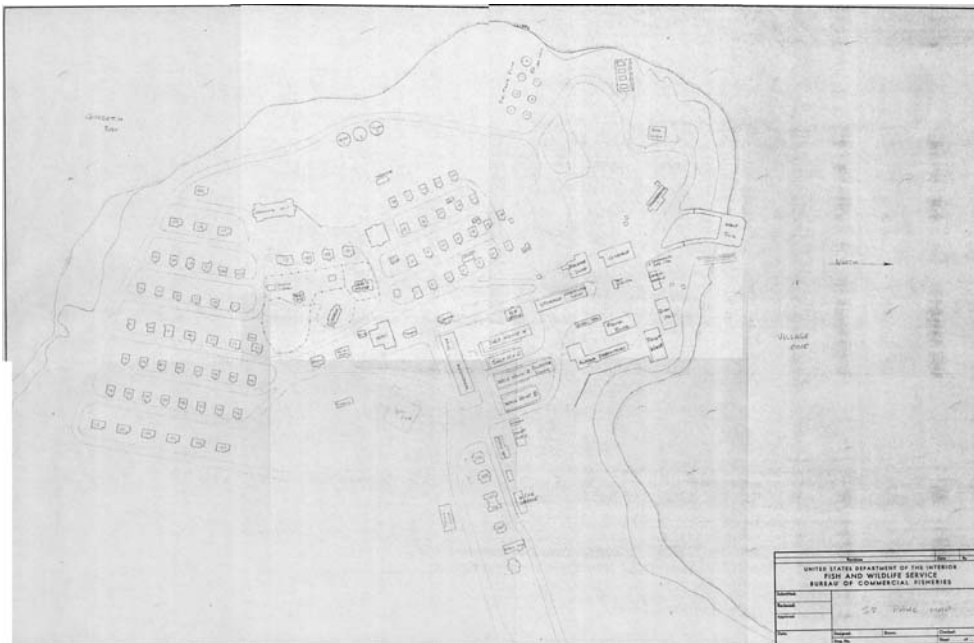
1948 Aerial Photograph. St. Paul Village.



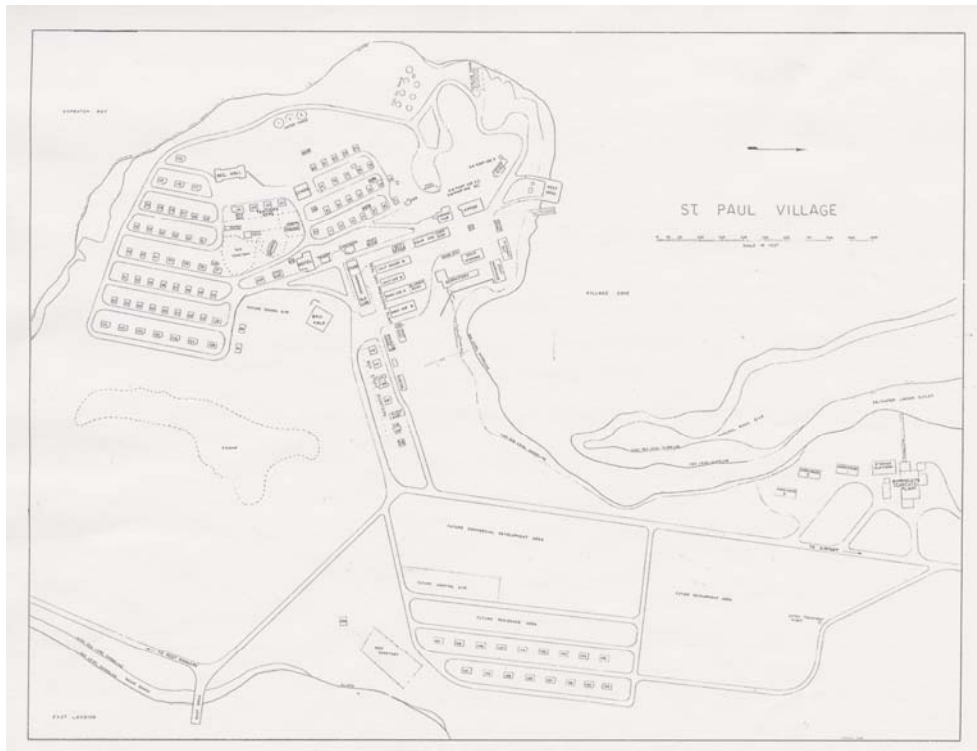
1948 Aerial Photograph. St. Paul Village



1951 Map. St. Paul Village.



1960 Map. St. Paul Village.



1969 Map. St. Paul Village.



1960s Photograph. St. Paul Village.



1973 Aerial Photograph. St. Paul Village.



1982 Aerial Photograph. St. Paul Village.



1996 Aerial Image of the City of St. Paul, St. Paul Island, Alaska.



2003 Photograph. PCS Removal at Headstart Building. Facing North.

APPENDIX C
ASBESTOS BUILDING INSPECTION

Headstart Building
St. Paul Island, Alaska

ASBESTOS BUILDING INSPECTION REPORT

HEADSTART BUILDING ST. PAUL ISLAND, ALASKA

Prepared by



National Oceanic and Atmospheric Administration
7600 Sand Point Way NE
Seattle, Washington 98115

October 19, 2005

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2.3 IDENTIFICATION OF HOMOGENEOUS SAMPLING AREAS AND SAMPLING LOCATIONS	9
2.4 ACBM SAMPLING AND ANALYSES	9
2.5 ASSESSMENT OF ACBM	10
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FIGURES

Figure

- 1 ST. PAUL ISLAND AND VICINITY OF SUBJECT PROPERTY
- 2 SUBJECT PROPERTY
- 3 FLOOR PLAN & ASBESTOS SAMPLE LOCATIONS, MAIN FLOOR HEADSTART BUILDING

APPENDICES

Appendix

- A FIELD NOTES
- B ACM ANALYSIS RESULTS
- C INSPECTOR CERTIFICATE

INSPECTION SUMMARY

The National Oceanic and Atmospheric Administration (NOAA) performed an asbestos-containing building materials (ACBM) inspection at the Headstart Building in St. Paul, Alaska (Section 25 of T35S-R132W; Lot 5: Block 20, U.S. Survey No. 4943, Alaska, Tract "A," St. Paul Townsite, accepted by the Bureau of Land Management August 2, 1968; 0.26 Acres; 1976 MOU: Parcel 6F; 1984 Transfer of Property Agreement (TOPA): Site 9). NOAA owns the subject property. The Aleut Community of St. Paul Island asserted dominion over the subject property at the time of inspection. NOAA determined that the building was constructed in 1911. The Aleutian-Pribilof Islands Association (A-PIA) Headstart Program for pre-school aged children was operated in the building until mid-September 2005, when the Program canceled its lease and ceased using the building due to peeling lead-based paint concerns. The building is unoccupied as of September 19, 2005.

The results of this inspection represent a review of current conditions based on available information and observations. Consistent with the procedures required by the Asbestos Hazard Emergency Response Act (AHERA, [P.L. 99-519]) and the Asbestos School Hazards Abatement Reauthorization Act of 1992 (ASHARA, [P.L. 101-637]), NOAA positively identified or assumed the presence of the following ACBM throughout the interior and exterior of the building:

- Homogeneous Material #18 - Red cement pipe conduit, located within the concrete footing along the western side of the building exterior and potentially throughout the building's crawl space, an estimated 150 linear feet of pipe, non-friable
- Untested Material –Furnace flange gaskets and valve packing, located in basement furnace and hot water heater, ACBM, assumed friable

The asbestos building inspection was conducted based on conditions encountered by NOAA on May 10, 2005. This AHERA assessment has not revealed evidence of recognized environmental hazards in connection with the property. Disclosure of the presence and condition of ACBM by a building's owner to a lessee or prospective purchaser is not explicitly required under AHERA or ASHARA for schools that are not elementary or secondary schools (*i.e.*, not K-12), but it would be appropriate under general disclosure practice for NOAA to do so for the subject property. NOAA staff does not recommend further evaluation of asbestos at this property prior to transfer under the TOPA.

SECTION 1

SCOPE OF INSPECTION

The National Oceanic and Atmospheric Administration (NOAA) chose to perform an asbestos-containing building materials (ACBM) inspection (“Asbestos Hazard Emergency Response Act (AHERA) Building Inspection”) at the Headstart Building in St. Paul, Alaska (Section 25 of T35S-R132W; Lot 5: Block 20, U.S. Survey No. 4943, Alaska, Tract “A,” St. Paul Townsite, accepted by the Bureau of Land Management August 2, 1968; 0.26 Acres; 1976 MOU: Parcel 6F; 1984 Transfer of Property Agreement (TOPA): Site 9). Figures 1 and 2 show the locations of St. Paul Island and the Headstart Building. The inspection was conducted consistent with the procedures and protocols set forth in AHERA [P.L. 99-519], the Asbestos School Hazards Abatement Reauthorization Act of 1992 (ASHARA, [P.L. 101-637]), the National Emissions Standards for Hazardous Air Pollutants (NESHAPS), as amended in 40 Code for Federal Regulations (CFR) Part 61 Subpart M and 40 CFR Part 763, and other federal laws, regulations and guidelines.

1.1 SCOPE OF WORK

The scope of the asbestos building inspection was to identify the presence, location, and condition of any ACBM associated with the building on the subject property.

1.2 INSPECTION PROTOCOL AND DISCLAIMER

A certified AHERA Building Inspector, authorized to inspect buildings in the State of Alaska, performed the inspection activities including reporting. The protocol used in performing the inspection was:

1. Locate and review background information about the building.
2. Perform a preliminary visual inspection of the building and property to identify friable materials, and materials or products that are likely to contain asbestos, pertinent to the inspection.
3. Prepare sketches of the building, recording homogeneous sampling areas.
4. Develop a sampling plan for bulk samples.
5. Collect bulk samples using either a random sampling process or samples biased to locations with the highest probability of being ACBM.
6. Collect information on the physical condition and location of all ACBM, or other characteristics of the building that may affect the likelihood that ACBM may be disturbed and that fibers may be released and disturbed.
7. Analyze each sample by the Polarized Light Microscopy (PLM) analytical method using a National Voluntary Laboratory Accreditation Program (NVLAP) laboratory.

This report was compiled based partially on information supplied to NOAA from outside sources and other information in the public domain, in addition to asbestos inspection notes, observations and data. The conclusions and recommendations herein are based on the information NOAA obtained in compiling the report. This information is on file at NOAA's office in Seattle, Washington. NOAA makes no warranty as to the accuracy of statements made by others, which may be contained in the report, nor are any other warranties or guarantees, expressed or implied, included or intended by the report except that it has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professionals performing the same or similar services.

Because the facts forming the basis for the report are subject to professional interpretation, differing conclusions could be reached. NOAA personnel performing and reviewing this inspection do not assume responsibility for the discovery and elimination of hazards that could possibly cause accidents, injuries, or damage. Compliance with submitted recommendations or suggestions does not assure elimination of hazards or the fulfillment of obligations under Federal, State, or local laws or any modifications or changes to such laws. None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature but shall be a representation of findings of fact from records examined.

SECTION 2

INSPECTION DETAILS

The following paragraphs describe the subject property and asbestos building inspection performed by NOAA personnel on May 11, 2005. Field notes are provided in Appendix A, while asbestos bulk sample analysis results are provided in Appendix B.

2.1 IDENTIFICATION AND REVIEW OF BACKGROUND INFORMATION

Historical information related to the subject property indicates the building on the subject property was constructed in 1911 at its current location, based on records available at NOAA as well as from the U.S. National Archives and Records Administration's Pacific Alaska Regional Office in Anchorage, Alaska. The subject property was undeveloped prior that date.

The building was constructed as the powerhouse for that the U.S. Navy's radio station complex on St. Paul Island. Historically the building has also been called the Electronics Shop or E-Shop. The complex also included radio towers, a coalhouse, a paint house, cottages, operator's quarters, a machine shop, a fuel tank farm, a hall, a tank house, and a pump house.

In 1937, the Department of Defense transferred the radio station complex to the U.S. Bureau of Commercial Fisheries, a predecessor agency of NOAA. The transfer agreement required the Bureau to maintain the communications capability between St. Paul and the Naval radio station at Dutch Harbor, Alaska. The Navy removed most of the radio and ancillary equipment at the time of disestablishment, leaving only enough equipment for maintenance of communications with Dutch Harbor.

At the time of the transfer, a tank farm fueled the E-Shop. The tank farm was removed on an unknown date prior to 1951. Presumably the Bureau of Commercial Fisheries or NOAA subsequently installed an underground storage tank (UST) to service heat in the E-Shop.

In 1979, NOAA conveyed the majority of the land occupied by the former Naval radio station complex, as well as other island properties, to the Tanadgusix Corporation (TDX) as part of the land withdrawals made pursuant to Alaska Native Claims Settlement Act (ANCSA). The complex has been subdivided and is now in use for residential housing and commercial purposes. NOAA retained Parcel 6f, including the

subject property, during the 1979 land withdrawal. Under the Transfer of Property Agreement of 1984 (TOPA), NOAA agreed to transfer Parcel 6f (then called Parcel 7) to the Aleut Community of St. Paul Island. The property has not yet been conveyed.

According to Mr. Richard Zacharof, President of the Aleut Community of St. Paul Island (“Tribal Government”), the building at the subject property is occupied by the Headstart Program, a part-time early education program administered by the Aleutian-Pribilof Islands Association. The building is presumably managed by the Tribal Government however the official relationship between the Headstart Program and the Tribal Government is unclear. Mr. Zacharof later indicated the Headstart Program canceled its lease with the Tribal Government in September 2005 due to lead-based paint concerns. The building is unoccupied as of September 19, 2005. Mr. Biff Baker of the Tribal Government indicated he was unaware of any asbestos inspections or abatement for this building. Mr. Baker indicated the Tribal Government improved the interior of the building from its previous industrial use for the Headstart Program, adding interior rooms such as bathrooms and a kitchen, an acoustic panel drop ceiling, insulated drywall panels over the original concrete walls, and carpeting. Ms. Esther Baldwin, lead teacher and administrator for the Headstart Program, indicated the school year is nominally September through early May, with approximately ten five-year old children attending from 8 am to 12 pm Monday through Friday. Ms. Baldwin indicated the children play in a fenced-in playground adjacent to the southern portion of the building. Ms. Baldwin also indicated snacks are prepared for the children in the building’s kitchen, and the children typically eat inside the building.

2.2 VISUAL INSPECTION OF BUILDING

The subject property is currently occupied by a two-story concrete building with a footprint measuring approximately 69-feet by 27-feet, excluding the 8-feet by 4-feet mudroom footprint. The front door is located along the northwestern portion of the building at a mudroom, and the back door is located along the southern side of the building at a wooden deck inside the fenced play area. There is no exterior access way to the second story of the building. The interior access way to the second story, also called the mezzanine level, is located by ladder through a hatchway above the drop ceiling at the northern end of the building. The floor plan for the building is shown in Figure 3.

The main floor consists of a mudroom, a classroom, a hallway, two bathrooms, a kitchen, a furnace room, a utility closet, and an office. The mudroom consists of unpainted wood flooring and painted drywall walls and ceiling, with painted metal doors leading outside and the classroom. The drywall along the wall

shared with the classroom is likely sheathing painted concrete. The classroom consists of carpeted and vinyl flooring, cove base, painted drywall walls, painted wood window frames and sills, and three types of drop ceiling panels (plastic resin, wormhole acoustic, and no hole acoustic). The classroom includes a Formica countertop with sink, as well as a painted metal circuit breaker box, along its southern wall. The mezzanine level of the building can be accessed by extension ladder through a portal located above the drop ceiling at the north end of the classroom. The hallway consists of vinyl flooring, cove base, painted drywall walls, unpainted wooden doors leading to the two bathrooms, a painted metal doorframe and door emergency exit, and wormhole acoustic drop ceiling panels. Each of the two bathrooms consist of vinyl flooring, cove base, painted drywall walls, wormhole acoustic drop ceiling panels, and Formica countertops with sinks and toilets. The kitchen consists of vinyl flooring, cove base, formica countertops and backsplash, a sink and electric range/oven, painted drywall walls, wormhole acoustic drop ceiling panels, a painted metal door leading to the playground, and an unpainted wooden door leading to the furnace room. The furnace room consists of an unpainted wooden door, unpainted drywall walls, an oil-fired forced air furnace with exhaust and plenum, and a painted concrete ceiling. The utility closet consists of vinyl flooring, painted drywall walls, an exposed conduit, and worm hole acoustic drop ceiling. The office consists of carpeted flooring, cove base, painted drywall walls, painted wood window frame, and worm hole acoustic drop ceiling. The main floor's flooring is all installed above unpainted plywood that sheathes a painted concrete floor below, based on visual observations made when pulling carpeting away from the walls in the office. Painted concrete is above the drop ceiling and is the bottom side of the concrete floor of the mezzanine level (see below). No friable material was encountered on the main floor.

The mezzanine level is a single room running the length of the building. The mezzanine level consists of painted concrete floor, painted metal and wood roof trusses supporting unpainted corrugated metal roof panels, unpainted concrete and wood end walls, and unpainted open wood shelving units with periodic makeshift unpainted wooden doorways and doors spanning the center aisle between the shelving units. The shelving units contain electrical spare parts, potentially from past street lighting and power generation operations. Other items, including an artificial Christmas tree, compressed gas cylinder, and 1-gallon cans of paint are also stored in the mezzanine level. No friable material was encountered on the mezzanine level.

The building exterior consists of painted concrete, with painted plywood paneling enclosing the northern end of the mezzanine level. The roof consists of a painted corrugated metal panel roof. The wood soffits are painted along the northern end of the building but are unpainted elsewhere. A non-friable fibrous

concrete conduit containing cut electrical wires is present within the concrete wall near the ground surface along the western portion of the building. The conduit potentially continues beneath the building in a crawl space, however the crawl space was inaccessible for the inspection due to the presence of Arctic fox dens and animal feces. No friable material was encountered on the building exterior.

2.3 IDENTIFICATION OF HOMOGENEOUS SAMPLING AREAS AND SAMPLING LOCATIONS

NOAA identified the homogeneous sampling areas listed in Table 1 of Section 2.4 for the asbestos building inspection. A total of 18 homogeneous sampling areas were identified, including three surfacing material (SM) areas, three TSI areas, and 12 miscellaneous material (MISC) areas. Sample locations are shown on Figure 3. One bulk sample was collected to represent each of the MISC materials identified excepting the speckled and square patterned vinyl flooring as two bulk samples were collected of those materials. MISC materials were found throughout the main floor. Consistent with U.S. Environmental Protection Agency guidance [*Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials*. EPA 560/5-85-030a. October.], a total of five bulk samples were collected to represent the estimated 3,000 square feet (ft²) of SM comprised of “light texturing” drywall, five samples were collected to represent the estimated 2,000 ft² of SM comprised of “medium texturing” drywall, and three samples were collected to represent the estimated 125 ft² of SM comprised of “no texturing” drywall. Additionally, joint compound and tape used with drywall were characterized as layers from the SM sample locations.

Sample locations were selected with a bias to locations with the highest probability of encountering ACBM. This was particularly true with samples of drywall, which were most likely to contain asbestos along drywall joints due to the presence of texturing material, tape, and joint compound.

2.4 ACBM SAMPLING AND ANALYSES

NOAA collected 30 bulk samples for asbestos analysis by PLM, using the NVLAP laboratory at Prezant Associates, Inc. in Seattle, Washington (NVLAP laboratory code 200613-0). Sample locations were first wet using a solution of clean water and surfactant, broadcast with a spray bottle. The sample locations were kept wet during sampling activities, which normally required use of a sharp utility knife, chisel, and/or an awl to loosen the desired quantity of sample through the suspected layers. Plastic sample collection bags (“Whirl Bags”) were used, to the extent practicable, to collect the samples and any

associated particles. Loose particles not collected in the bags were collected using wet disposable cleaning cloths. Damaged surfaces were sealed using an epoxy resin-based aerosol adhesive to bind remaining surface fibers in situ, then repaired as appropriate using fast-drying spackle.

No thermal system insulation (TSI) samples were collected from flange gaskets and valve packing from the furnace as it is not practicable to disassemble the furnace to sample these materials. Based on the heating system age, it is assumed that these materials may contain asbestos.

Bulk sampling results can be found in Table 1, with the detailed results and inspection notes in Appendices A and B. No ACBM, aside from the potential TSI in the furnace, was identified inside the building. The non-friable cement conduit running through the building's western foundation footing was identified as ACBM.

2.5 ASSESSMENT OF ACBM

After identifying ACBM, or identifying suspect ACBM that would be assumed to be ACBM due to the impracticability of bulk sampling, NOAA categorized these materials into one of the following seven categories:

1. Damaged or significantly damaged thermal system insulation ACM.
2. Damaged friable surfacing ACM.
3. Significantly damaged friable surfacing ACM.
4. Damaged or significantly damaged friable miscellaneous ACM.
5. ACBM with potential for damage.
6. ACBM with potential for significant damage.
7. Any remaining friable or friable suspected ACBM.

The results of the categorization are shown in Table 1.

Table 1: Homogeneous Materials and ACBM Results

<i>Homogeneous Material</i>	<i>ACBM Type</i>	<i>Location(s)</i>	<i>Estimated Quantity</i>	<i>ACM by PLM Result</i>	<i>ACBM Category</i>
1 – Square pattern vinyl flooring	MISC	Classroom	NA	Negative	NA
2 – Drywall, light texturing	SM	Classroom	NA	Negative	NA
3 – Countertop	MISC	Classroom	NA	Negative	NA
4 – Plenum insulation and duct tape	TSI	Above drop ceiling, throughout main floor of building	NA	Negative	NA
5 – Ceiling tile, wormhole	MISC	Classroom	NA	Negative	NA
6 – Ceiling tile, resin	MISC	Classroom	NA	Negative	NA
7 – Ceiling tile, no holes	MISC	Classroom	NA	Negative	NA
8 – Duct tape on cool air makeup duct	TSI	Furnace room	NA	Negative	NA
9 – Drywall, no texturing	SM	Furnace room	NA	Negative	NA
10 – Gray cove base with mastic	MISC	Kitchen	NA	Negative	NA
11 – Speckled pattern vinyl flooring	MISC	Kitchen, utility closet, hallway, bathrooms	NA	Negative	NA
12 – Kitchen countertop	MISC	Kitchen	NA	Negative	NA
13 – Kitchen backsplash	MISC	Kitchen	NA	Negative	NA
14 – Drywall, medium texturing	SM	Kitchen, utility closet, office, hallway, bathrooms	NA	Negative	NA
15 – Duct tape on conduit	TSI	Utility closet	NA	Negative	NA
16 – Office carpet	MISC	Office	NA	Negative	NA
17 – Black cove base with mastic	MISC	Hallway	NA	Negative	NA
18 – Red cement pipe conduit	MISC	Exterior, potentially crawl space	150 linear ft (est.)	Positive	5

Notes: TSI = thermal system insulation, SM = surfacing material, MISC = miscellaneous material, NA = not applicable, ft = foot, ft² = square foot

SECTION 3 DEFINITIONS

AHERA	Asbestos Hazard Emergency Response Act, Public Law 99-519. The purpose of the act was to provide officials in schools, grades K-12, with rules and guidance for the management of asbestos-containing materials. The majority of asbestos related procedures and regulations are based on this act.
ASHARA	Asbestos School Hazard Abatement Reauthorization Act, Public Law 101-637. ASHARA extended AHERA regulations to cover public and commercial buildings.
ACBM	Surfacing ACM, thermal system insulation ACM, or miscellaneous ACM that is found in or on interior structural members or other parts of a building.
ACM	Any material or product that contains more than 1 percent asbestos.
Building Inspector	A person who conducts a survey of a building for the presence of asbestos-containing materials under accreditation based on AHERA and ASHARA regulations.
Friable	Any materials that can be crumbled, pulverized, or reduced to powder by hand pressure when wet, as determined by an accredited AHERA building inspector.
Homogeneous Sampling Area	An area of ACBM or suspect ACBM that appears similar throughout in terms of color, texture, and date of material application.
Miscellaneous Material	Interior building material on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal system insulation. Mastic is a miscellaneous material even though it is applied to surfaces.
Surfacing Material	Material that is sprayed on, toweled on, or otherwise applied surfaces, such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.

Thermal System Insulation	Material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior structural components to prevent heat loss or gain, or water condensation, or other purposes.
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SECTION 4 INSPECTOR INFORMATION AND APPROVAL

The inspector of record for NOAA's asbestos building inspection for the Headstart Building is Mr. Gregory P. Gervais, P.E. Mr. Gervais' inspector certificate was issued by Prezant Associates, Inc. of Seattle, Washington. The certificate number is 05-0261 and expires on April 20, 2006. A copy of this certificate is included in Appendix C.

Prepared by:



Gregory P. Gervais, P.E.
AHERA Building Inspector
National Oceanic and Atmospheric Administration

Reviewed by:



Thanh Minh Trinh, P.E.
Environmental Compliance Officer
National Oceanic and Atmospheric Administration



Bering Sea

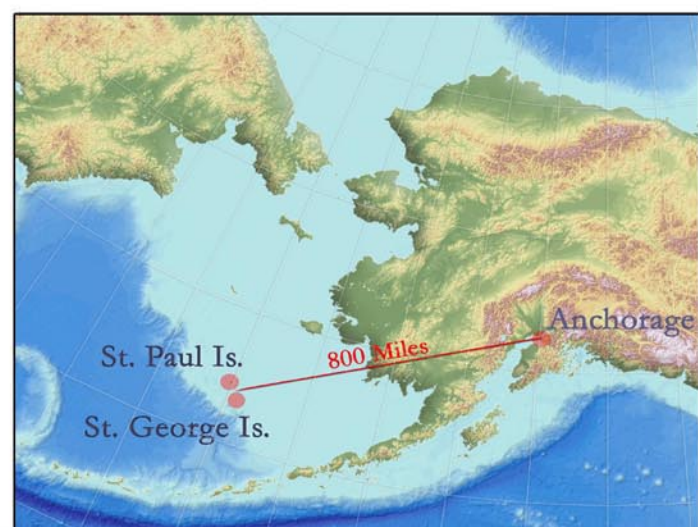
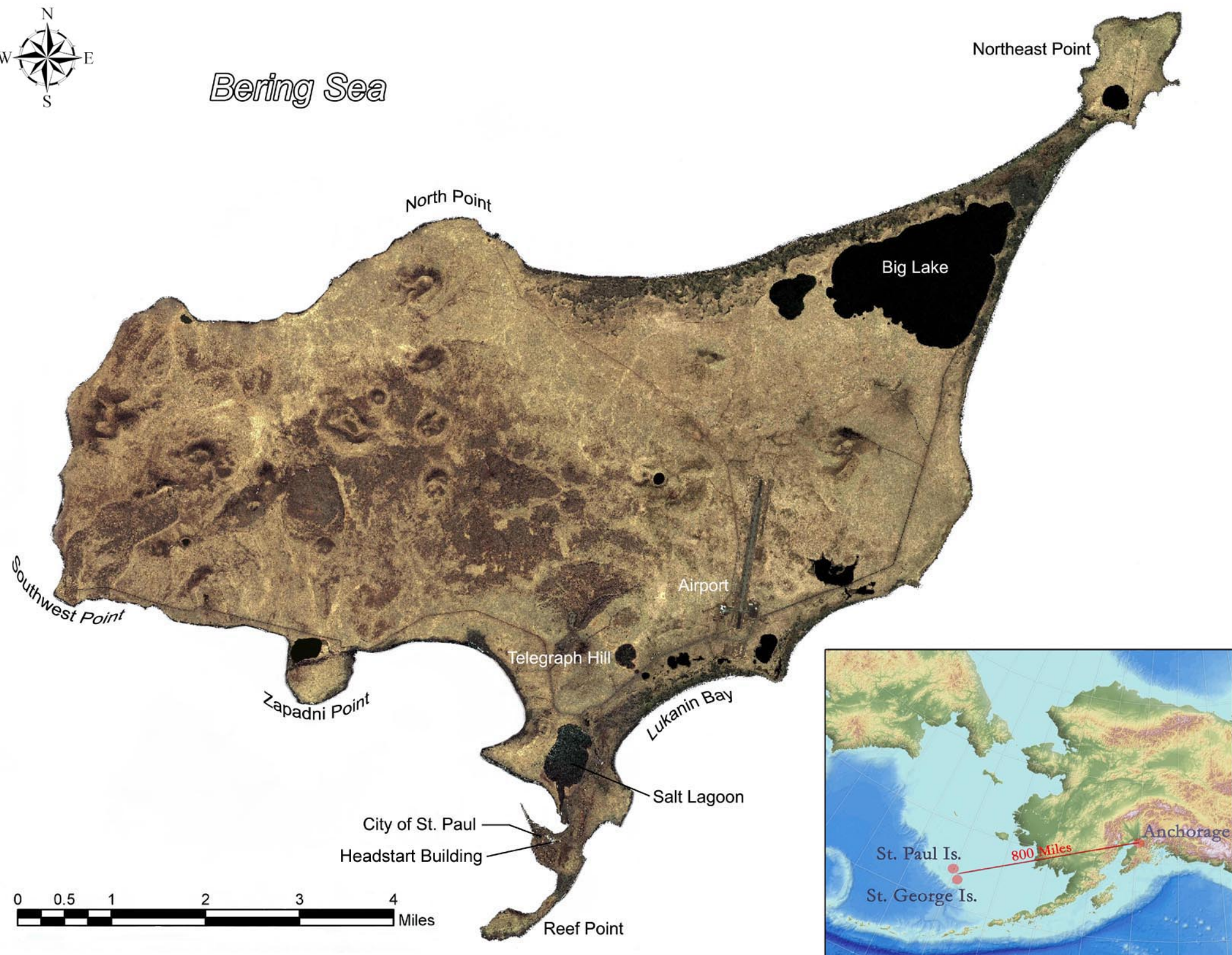
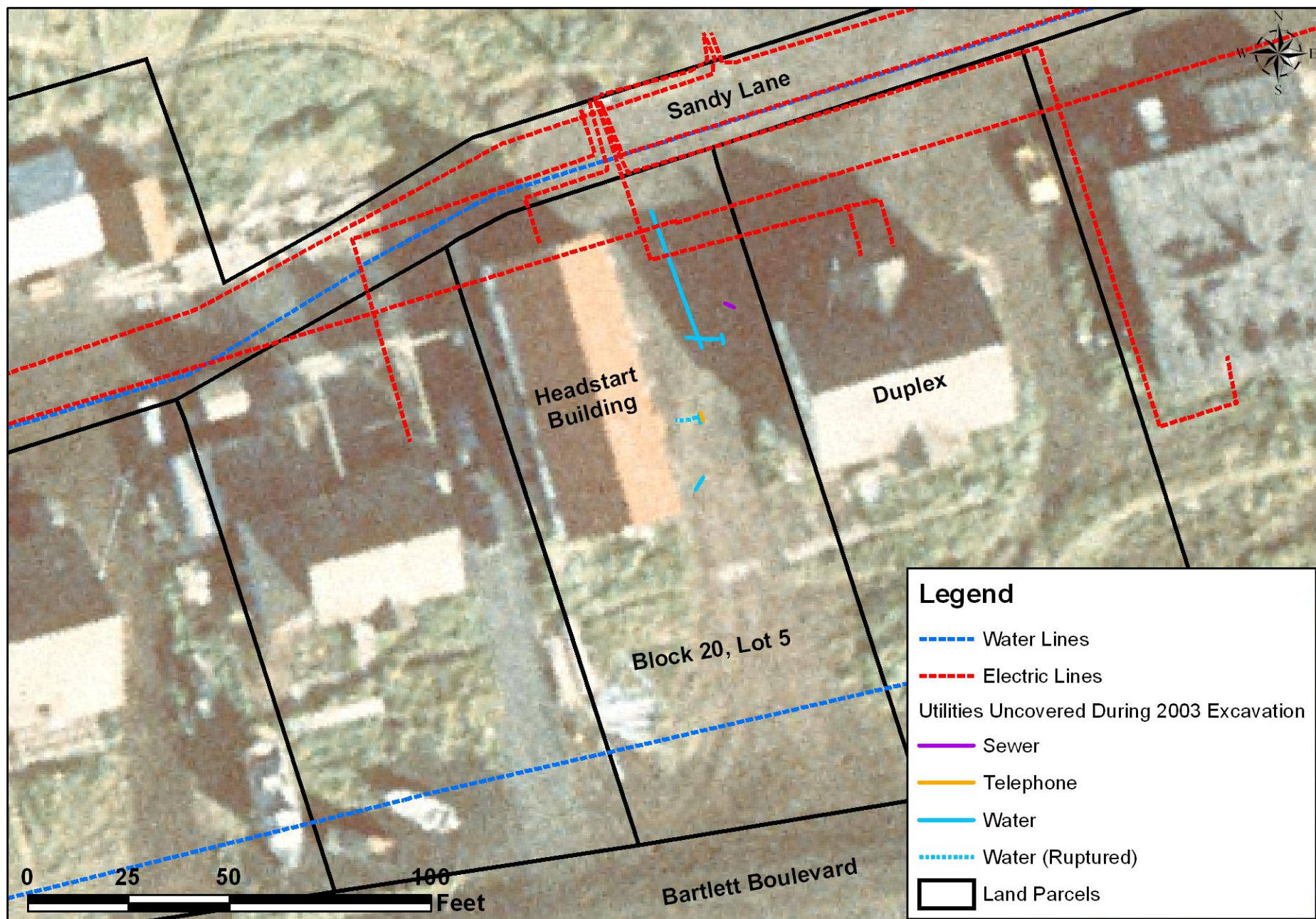


Figure
1

St. Paul Island and Vicinity of Subject Property
Headstart Building
St. Paul Island, Alaska

Source: Ikonos Satellite
Imagery, 2001





Figure

1

Subject Property
Headstart Building
St. Paul Island, Alaska

Sources: Water and Electric Utilities (Polarconsult 2001), Utilities uncovered by excavation and Parcel Boundaries (NOAA Pribilof Project GIS 2005), Aerial Photo (Aeromap US 1996).

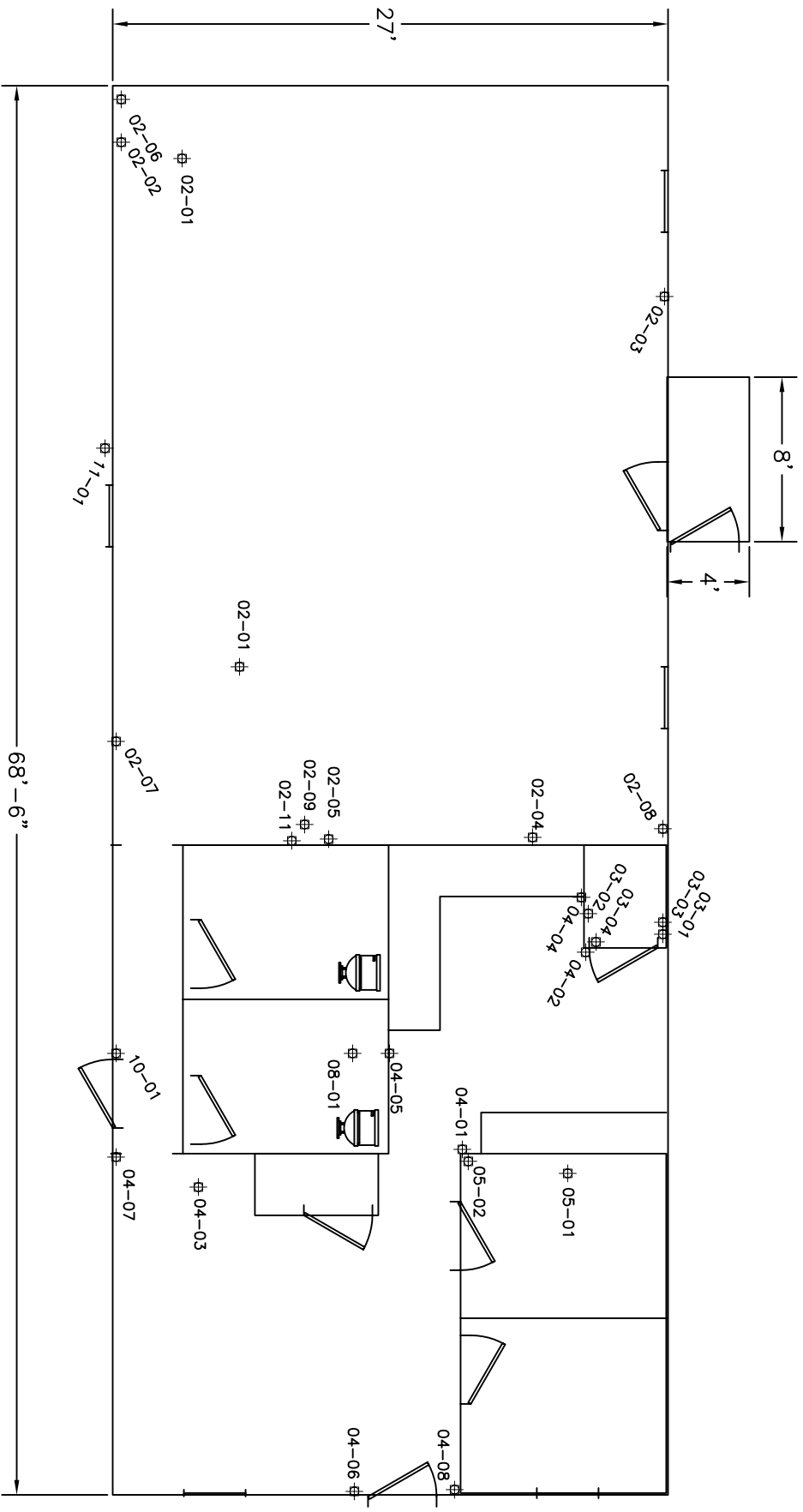


Figure 3

Floor Plan & Asbestos Sample Locations, Main Floor Head Start Building

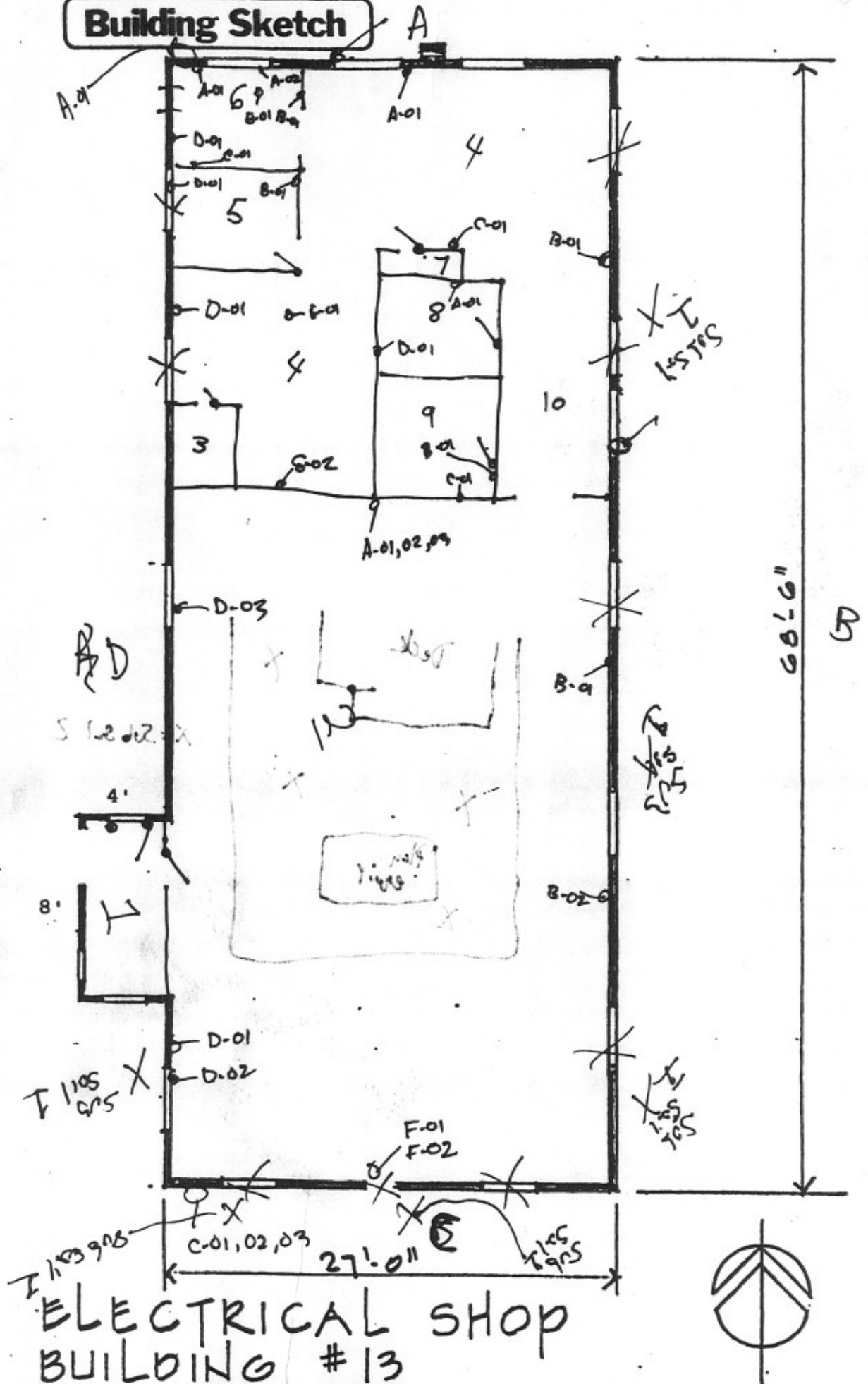
Scale: 1/8" = 1'-0"

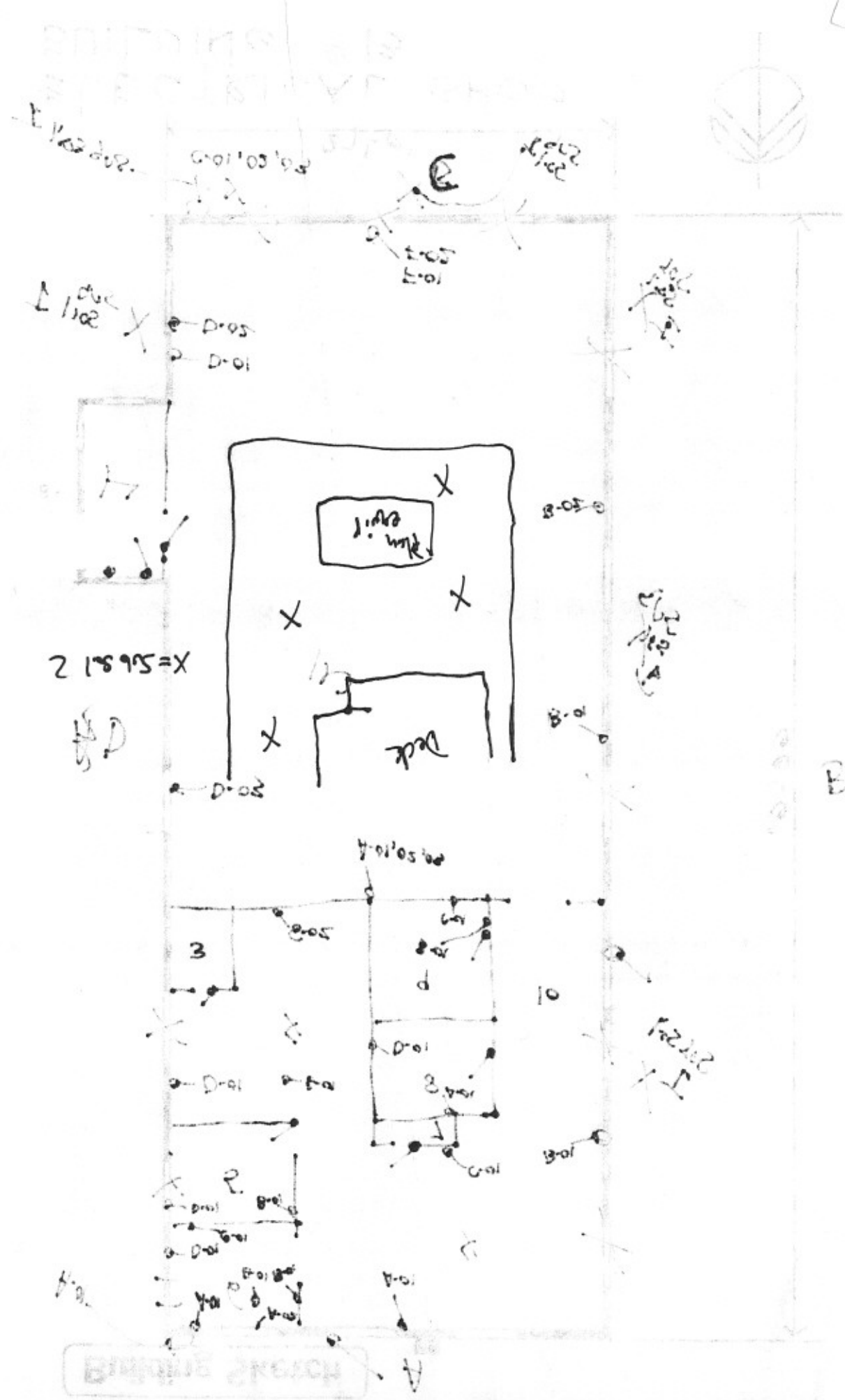
APPENDIX A

FIELD NOTES

**Headstart Building
St. Paul Island, Alaska**

Building Sketch





BIRCHING SKETCH

Headstart (Bldg. 4)
5/13/05
0713 hrs.

4

RE	ID	XRF ID	Matrix	Desc.	Result
Office 06	A-01	194	Drywall	white textured, in tact	0.0
"	B-01	195	"	"	0.0
"	B-01	196	"	"	0.0
"	C-01	197	"	"	0.0
"	A-02	198	Wood	Window Frame white, Fair	0.0
"	E-01	199	Wood	Co. pot, Plywood, Concrete(?) in tact	1.9
Kitchen 04	A-01	200	Drywall	white textured, in tact	0.0
"	B-01	201	"	"	0.0
"	C-01	202	"	"	0.0
"	C-02		"	"	0.0
"	D-01		"	"	0.0
"	E-04		Hardwood, concrete wood concrete	very hard, concrete (?) in tact	2.1 1.2
Closet 05	D-01		Drywall	white textured, in tact	0.0
"	B-01		"	"	0.0
Hallway 10	B-01		"	"	0.0
"	B-02		metal	Door frame Gray, in tact	0.0
Bath 08	D-01		Drywall		
"	A-01		"	Gray in tact	0.0
"				white, in tact	0.0
Bath 09	B-01		"	"	0.0
"	C-01		"	"	0.0
					0.0

Headstart

RE	ID	XRFID	Matrix	Desc.	Result
					0.0
Hallway 10	B-01		wood	Door frame, white in fact	
Class 02	A-01		Drywall	white, intact	0.0
Class 02	A-02		wood	"	0.0
	A-03		metal	"	0.0
	B-01		Drywall	"	0.0
	B-02		"	column white, intact	0.01
	C-01		"	white, intact	0.0
	D-01		"	"	0.0
	D-02		wood	window sill, white intact	0.0
	D-03		"	window, white intact	0.0
	B-02		"	window frame, ^{edge} intact	0.0
	F-01		concrete	gray, peeling	3.4
	F-02		metal	red truss, peeling	5.2
Exterior 11	C-01		metal	Roof, red intact	0.0
	C-02		wood	Brown (high), intact	0.0
	C-03	252	concrete	white, fair	3.4 4.8
	A-01		"	"	3.5
	C-04		wood	white, peeling	-0.79
	D-01		wood	"	0.0
			Drywall	white, intact	0.0
M-dorm 01	D-01				0.0

Fluorescent Lights: 14 in Class 2

1 in Bath 8
 6 in Kitchen
 1 in closet 5
 1 in office 6

3



ELECTRICAL SHOP
BUILDING #13



Headstart Building

5/10/05

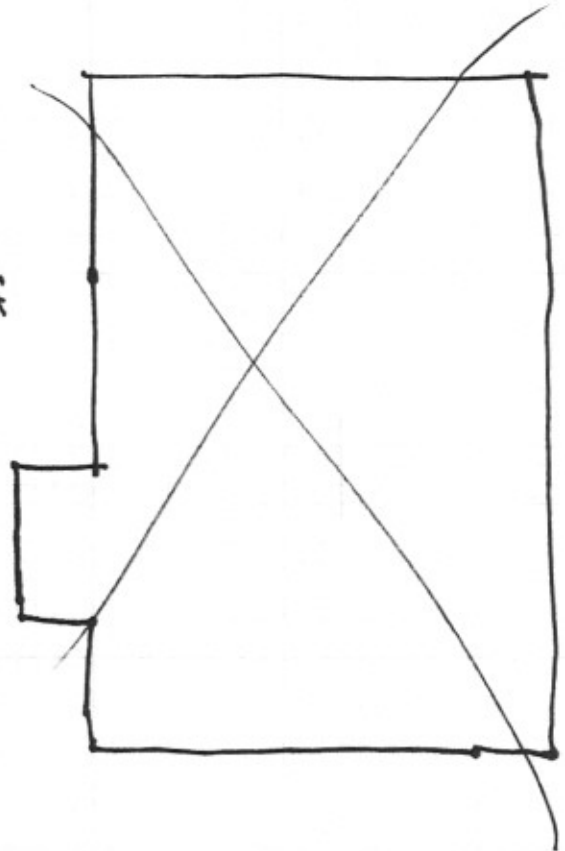
1400 hrs.

- Office (06)
- 06-01 = carpet/pad sample
 - 5'4" from E. wall, along S. wall
- 06-02 = wall sample
 - 5'4" from E. wall, along S. wall

Δ2 ceiling tile types,
homog. to rest of
bldg.

- Kitchen (04)
- 04-01 = cove base mastic

- Hallway (10)
- 10-01 = black cove base + mastic



Homog. Materials:

- Office Carpet = (1) [06-01] ✓
- Cove Base/Mastic - Gray (1) [04-01] ✓
- " " - Black (1) [10-01] ✓
- Dry Wall - light texture (5) [06-01, 06-02, 06-03, 06-04, 06-05, 06-06, 06-07] ✓
- " " - medium texture (5) [06-02, 04-06, 05-02, 04-07, 04-08]
- Ceiling Tile - worm hole (2) [02-09]
- Ceiling Tile - no hole (1) [02-10]
- Ceiling Tile - fiberglass? (1) [02-10]
- Vinyl Floor - snake pattern (2) 02-01, 08-01
- " " - speckle pattern (2) 04-02, 04-03
- Kitchen Countertop (1) 04-04
- Kitchen Backsplash (1) 04-05
- Duct Tape Cool Air Makeup (1) 03-01
- Dry Wall - No texture (bailer room) (3) 03-02, 03-03, 03-04
- Duct Tape - Storage room condit (1) 05-01
- Plenum insulation & duct tape (1) [02-08]
- ~~Piping Cloth Tape (1) 06~~
- Classroom Countertop (1) [02-04]

- P. for condit, cement as base
pipe

04-11-01

Soil Samples

Reading No	Sample ID	Result Pb ppm	Error
456	NIST Low	20.4	12.1
457	NIST MED	1139	55
458	NIST High	5724	125
459	Paint Shop E	236.6	34.5
460	" N	82.4	25.1
461 ⁴⁶²	15-CS-01	1.93	18.99
463	15-BS-01	19.52	20.22
464 ⁴⁶⁵	Paint Shop NE	43.6	25
466	Paint Shop SW	288.0	33.7
467	" NW	48.3	21
468	" W	67.4	23.5
469	" SE	188.3	32.6
470	Bldg 4-02 ^{Handled & Phragmated}	22.4	18.7
471	Bldg 4-01 ^{Handled & Phragmated}	587.5	44.9
472	Bldg 3-House 103	460.5	40.8
473	Bldg 5&6-Duplex	3227	122
474	Bldg 4 2-House 102	502.5	41.2
475	Bldg 1-House 101	567.8	43.9

APPENDIX B
ACM ANALYSIS RESULTS

Headstart Building
St. Paul Island, Alaska

NOAA National Ocean Service, Office of Response and Restoration
 Transfer of Property Agreement (TOPA) Environmental Property Inspections
 St. Paul and St. George Islands, Pribilof Islands, Alaska
 Greg Gervais, P.E. and John Fox
 Revised: 050921

Headstart Building, Lot 4, St. Paul Island, Alaska

I. AHERA Building Inspection

<u>Sample ID</u>	<u>Homogeneous Material</u>	<u>HM Number</u>	<u>Type</u>	<u>Date Collected</u>	<u>Date Analyzed</u>	<u>Result (% ACM)</u>	<u>Asbestos Type</u>	<u>Condition</u>	<u>Final Classification</u>	<u>Notes</u>
04- 02- 01	square pattern vinyl flooring	1	MISC	050510	50520	ND	NA	NA	Negative	
04- 02- 02	dry wall w/ light texturing	2	SM	050510	50520	ND	NA	NA	Negative	
04- 02- 03	dry wall w/ light texturing	2	SM	050510	50520	ND	NA	NA	Negative	
04- 02- 04	classroom countertop	3	MISC	050510	50520	ND	NA	NA	Negative	
04- 02- 05	dry wall w/ light texturing	2	SM	050510	50520	ND	NA	NA	Negative	
04- 02- 06	dry wall w/ light texturing	2	SM	050510	50520	ND	NA	NA	Negative	
04- 02- 07	dry wall w/ light texturing	2	SM	050510	50520	ND	NA	NA	Negative	
04- 02- 08	plenum insulation & duct tape	4	TSI	050510	50520	ND	NA	NA	Negative	
04- 02- 09	ceiling tile w/ worm holes	5	MISC	050510	50520	ND	NA	NA	Negative	
04- 02- 10	ceiling tile (resin)	6	MISC	050510	50520	ND	NA	NA	Negative	
04- 02- 11	ceiling tile w/ no holes	7	MISC	050510	50520	ND	NA	NA	Negative	
04- 03- 01	duct tape on cool air makeup	8	TSI	050510	50520	ND	NA	NA	Negative	
04- 03- 02	dry wall w/ no texturing	9	SM	050510	50520	ND	NA	NA	Negative	
04- 03- 03	dry wall w/ no texturing	9	SM	050510	50520	ND	NA	NA	Negative	
04- 03- 04	dry wall w/ no texturing	9	SM	050510	50520	ND	NA	NA	Negative	
04- 04- 01	gray cove base w/ mastic	10	MISC	050510	50520	ND	NA	NA	Negative	
04- 04- 02	speckled pattern vinyl flooring	11	MISC	050510	50520	ND	NA	NA	Negative	
04- 04- 03	speckled pattern vinyl flooring	11	MISC	050510	50520	ND	NA	NA	Negative	
04- 04- 04	kitchen countertop	12	MISC	050510	50520	ND	NA	NA	Negative	
04- 04- 05	backsplash	13	MISC	050510	50520	ND	NA	NA	Negative	
04- 04- 06	dry wall w/ medium texturing	14	SM	050510	50520	ND	NA	NA	Negative	
04- 04- 07	dry wall w/ medium texturing	14	SM	050510	50520	ND	NA	NA	Negative	
04- 04- 08	dry wall w/ medium texturing	14	SM	050510	50520	ND	NA	NA	Negative	
04- 05- 01	duct tape on conduit	15	TSI	050510	50520	ND	NA	NA	Negative	
04- 05- 02	dry wall w/ medium texturing	14	SM	050510	50520	ND	NA	NA	Negative	
04- 06- 01	office carpet	16	MISC	050510	50520	ND	NA	NA	Negative	
04- 06- 02	dry wall w/ medium texturing	14	SM	050510	50520	ND	NA	NA	Negative	
04- 08- 01	square pattern vinyl flooring	1	MISC	050510	50520	ND	NA	NA	Negative	
04- 10- 01	black cove base w/ mastic	17	MISC	050510	50520	ND	NA	NA	Negative	
04- 11- 01	red cement pipe conduit	18	MISC	050510		20	Chrysotile		ACBM	2 layers present, with asbestos only in L-2

II. Lead Paint Building Inspection

<u>Room Equivalent</u>	<u>Wall Number</u>	<u>XRF ID</u>	<u>Date Analyzed</u>	<u>Substrate</u>	<u>Feature</u>	<u>Color</u>	<u>Condition</u>	<u>Result (mg/cm²)</u>	<u>Error (± mg/cm²)</u>	<u>Final Classification</u>	<u>Notes</u>
01 - MUDROOM	D	-01	237	5/13/2005 12:04 DRYWALL	WALL	WHITE	INTACT	0	0.02	NEGATIVE	
02 - CLASSROOM	F	-01	228	5/13/2005 11:42 CONCRETE	CEILING	GREEN	PEELING	3.4		2.1 POSITIVE	
02 - CLASSROOM	A	-01	218	5/13/2005 11:32 DRYWALL	WALL	WHITE	INTACT	0	0.02	NEGATIVE	

02 - CLASSROOM	C	-01	223	5/13/2005 11:34 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	D	-01	224	5/13/2005 11:34 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	B	-02	222	5/13/2005 11:34 DRYWALL	COLUMN	WHITE	INTACT	0.01	0.05 NEGATIVE
02 - CLASSROOM	A	-03	220	5/13/2005 11:33 METAL	DOOR	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	B	-01	221	5/13/2005 11:33 METAL	DOOR	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	F	-02	229	5/13/2005 11:43 METAL	CEILING	RED	INTACT	5.2	2.8 POSITIVE
02 - CLASSROOM	A	-02	219	5/13/2005 11:32 WOOD	WALL	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	B	-02	227	5/13/2005 11:36 WOOD	WINDOW	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	D	-02	225	5/13/2005 11:35 WOOD	WINDOW	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	D	-03	226	5/13/2005 11:36 WOOD	WINDOW	WHITE	INTACT	0	0.02 NEGATIVE
04 - KITCHEN	E	-01	208	5/13/2005 11:25 CONCRETE	FLOOR	WHITE	INTACT	1.9	0.8 POSITIVE
04 - KITCHEN	A	-01	200	5/13/2005 11:20 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
04 - KITCHEN	B	-01	201	5/13/2005 11:21 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
04 - KITCHEN	C	-01	202	5/13/2005 11:21 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
04 - KITCHEN	C	-02	203	5/13/2005 11:22 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
04 - KITCHEN	D	-01	204	5/13/2005 11:22 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
05 - CLOSET	B	-01	210	5/13/2005 11:26 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
05 - CLOSET	D	-01	209	5/13/2005 11:26 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	A	-01	194	5/13/2005 11:16 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	B	-01	195	5/13/2005 11:17 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	C	-01	197	5/13/2005 11:18 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	D	-01	196	5/13/2005 11:17 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	A	-02	198	5/13/2005 11:18 WOOD	WINDOW	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	E	-01	199	5/13/2005 11:19 WOOD	FLOOR	WHITE	INTACT	1.9	0.7 Positive
08 - BATHROOM	A	-01	214	5/13/2005 11:29 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
08 - BATHROOM	D	-01	213	5/13/2005 11:29 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
09 - BATHROOM	B	-01	215	5/13/2005 11:30 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
09 - BATHROOM	C	-01	216	5/13/2005 11:30 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
10 - HALL	B	-01	211	5/13/2005 11:27 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
10 - HALL	B	-02	212	5/13/2005 11:28 METAL	DOOR	WHITE	INTACT	0	0.02 NEGATIVE
10 - HALL	B	-03	217	5/13/2005 11:31 WOOD	DOOR	WHITE	INTACT	0	0.02 NEGATIVE
11 - Exterior	A	-01	233	5/13/2005 11:57 CONCRETE	WALL	WHITE	FAIR	3.5	2.4 POSITIVE
11 - Exterior	C	-03	232	5/13/2005 11:51 CONCRETE	WALL	WHITE	FAIR	4.8	3.6 POSITIVE
11 - Exterior	C	-01	230	5/13/2005 11:50 METAL	WALL	RED	INTACT	0	0.02 NEGATIVE
11 - Exterior	C	-04	235	5/13/2005 12:02 WOOD	WALL		PEELING	-0.74	1.72 NEGATIVE
11 - Exterior	C	-02	231	5/13/2005 11:50 WOOD	WALL	BROWN	INTACT	0	0.02 NEGATIVE
11 - Exterior	C	-03	234	5/13/2005 12:02 WOOD	WALL		PEELING	0	0.04
11 - Exterior	D	-01	236	5/13/2005 12:03 WOOD	WALL		PEELING	0	0.02 NEGATIVE



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

NOAA Pribilof Project Office
7600 Sand Point Way NE
Seattle, WA 98115-

Project Location: NOAA Pribilof Islands
Property Transfer

PAI Batch Number: 05-1143
Client Job Number:
Number of Samples: 98
Turn Around Time: 5 day

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006093	
Client Sample Number: 01-02-01	NOAA Pribilof Islands Property Transfer

L-1 Pale gray and white mosaic opaque sheet vinyl tile material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Plastic Particles
10% Vinyl Filler and Binder

Comments:

L-2 Pale tan fibrous papery backing

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
45% Cellulose
40% Polyurethane
10% Glass Fiber

Non-Fibrous Components:
5% Mineral Fragments

Comments:

L-3 Golden orange opaque mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Resin and Binder
10% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-4 Off-white, orange, and yellow opaque vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
2% Chrysotile		65% Calcite Filler and Binder
		30% Mineral Filler and Binder
		3% Vinyl Filler and Binder

Comments:

L-5 Yellow resinous mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		97% Resin and Binder
		3% Mineral Fragments

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006094	
Client Sample Number: 01-02-02	NOAA Pribilof Islands Property Transfer

L-1 Pale gray and gray opaque sheet vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Plastic Particles
		5% Vinyl Filler and Binder

Comments:

L-2 Yellow and gray fibrous backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	40% Polyurethane	45% Filler and Binder
	10% Glass Fiber	
	5% Cellulose	

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 White opaque pliable thick mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

85% Resin and Binder
12% Calcite Filler and Binder
3% Mineral Fragments

Comments:

L-4 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006095
Client Sample Number: **01-02-03**

NOAA Pribilof Project Office

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L-1 White paint on yellow paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

L-2 Pale green paint on green paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 **Gray hard cementitious material with white fibers**

Asbestos Fibrous Components:
25% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
70% Mineral Filler and Binder
5% Talc Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006096	
Client Sample Number:	01-02-04	<i>NOAA Pribilof Islands Property Transfer</i>

Dark golden tan opaque pliable mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
98% Resin and Binder
2% Paint

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006097	
Client Sample Number:	01-02-05	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 **White paint on beige paint**

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005


Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-2 Pale green paint on tan opaque pliable mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

80% Resin and Binder

15% Paint

5% Mineral Fragments

Comments:

The tan mastic was ashed and no asbestos fibers were detected.

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006098

*NOAA Pribilof Islands
Property Transfer*

Client Sample Number: **01-03-01**

L-1 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

85% Calcite Filler and Binder

12% Vermiculite

3% Mineral Fragments

Comments:

L-3 Green paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

5/18/2005

Reviewed By: George McCaslin

5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-4 Brown paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-5 Tan papery material on brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
95% Cellulose

Non-Fibrous Components:
3% Resin and Binder
2% Mineral Fragments

Comments:

L-6 White powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Cellulose

Non-Fibrous Components:
80% Talc Filler and Binder
5% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006099
Client Sample Number: **01-03-02**

NOAA Pribilof Project Office

*NOAA Pribilof Islands
Property Transfer*

L-1 Blue fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
98% Synthetic

Non-Fibrous Components:
2% Mineral Granules

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-2 Pale gray opaque pliable material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Plastic Particles
5% Calcite Filler and Binder
5% Miscellaneous Particles

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006100

*NOAA Pribilof Islands
Property Transfer*

Client Sample Number: **01-04-01**

L-1 White paint on white crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

60% Calcite Filler and Binder
20% Perlite
5% Vermiculite
5% Mineral Fragments

Comments:

L-2 Pale gray paint on green paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

L-3 Beige paint on pale green paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

5/18/2005

Reviewed By: George McCaslin

5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



NVLAP LAB CODE 200613-0



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Bulk Asbestos Fiber Analysis

L-4 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		92% Calcite Filler and Binder
		5% Mineral Fragments
		3% Vinyl Filler and Binder

Comments:

L-5 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-6 White powdery material with brown splinters

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006101	
Client Sample Number:	01-05-01	<i>NOAA Pribilof Islands Property Transfer</i>

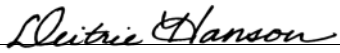
L-1 Tan, orange, and gray thick vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
3% Chrysotile		82% Calcite Filler and Binder
		8% Vinyl Filler and Binder
		5% Plastic Particles
		2% Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005


Analyzed By: Deitrie Hanson

5/20/2005



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OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-2 Transparent sticky mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
99% Resin and Binder
1% Mineral Fragments

Comments:

L-3 Dark orange and beige opaque pliable material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Resin and Binder
7% Paint
3% Mineral Fragments

Comments:

L-4 Tan and brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

L-5 White powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Cellulose

Non-Fibrous Components:
80% Talc Filler and Binder
5% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006102
Client Sample Number: **01-05-02**

NOAA Pribilof Project Office

*NOAA Pribilof Islands
Property Transfer*

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-1 Pale beige, dark orange, and gray thick vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
3% Chrysotile		82% Calcite Filler and Binder
		8% Vinyl Filler and Binder
		5% Plastic Particles
		2% Filler and Binder

Comments:

L-2 Transparent sticky mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		92% Resin and Binder
		5% Mineral Fragments
		3% Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006103	
Client Sample Number: 01-06-01	NOAA Pribilof Islands Property Transfer

L-1 Dull gray paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	3% Cellulose	92% Calcite Filler and Binder
		5% Vermiculite

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 Pale green paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-4 Tan and brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

L-5 White powdery fibrous material with brown splinters

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
25% Cellulose

Non-Fibrous Components:
70% Talc Filler and Binder
5% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006104

Client Sample Number: **01-06-02**

*NOAA Pribilof Islands
Property Transfer*

L-1 Dark gray, gray, and white long fibers

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
90% Synthetic

Non-Fibrous Components:
5% Rocks
5% Mineral Fragments

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

5/18/2005

5/20/2005

Deitrie Hanson

Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
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Bulk Asbestos Fiber Analysis

L-2 Off-white thick granular material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Plastic Particles

10% Vinyl Filler and Binder

Comments:

L-3 White pliable material on brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

55% Plastic Particles

3% Filler and Binder

2% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006105

Client Sample Number: **01-07-01**

*NOAA Pribilof Islands
Property Transfer*

L-1 White and dark reddish brown opaque pliable sheet vinyl tile material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Plastic Particles

10% Vinyl Filler and Binder

Comments:

L-2 Tan fibrous papery backing

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

30% Filler and Binder

5% Mineral Fragments

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

5/18/2005

5/20/2005

Deitrie Hanson

Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 Dark orange mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

92% Resin and Binder

5% Mineral Fragments

3% Filler and Binder

Comments:

L-4 White powdery crystalline material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

97% Talc Filler and Binder

3% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006106

Client Sample Number: **01-07-02**

*NOAA Pribilof Islands
Property Transfer*

L-1 White hard brittle material with brown streaks

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Plastic Particles

10% Vinyl Filler and Binder

Comments:

L-2 Brown opaque thick backing

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

35% Asphalt Filler and Binder

5% Mineral Fragments

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

5/18/2005

5/20/2005

Deitrie Hanson

Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 Red resinous sticky mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Mineral Particles

Comments:

L-4 Orange wooden splinter material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Resin and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006107	
Client Sample Number: 01-08-01	NOAA Pribilof Islands Property Transfer

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Pale beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005


Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 Deep beige paint on pale green and gray paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-4 Orange and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-5 White powdery material with brown splinters

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	12% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments
		3% Filler and Binder

Comments:

L-6 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006108	
Client Sample Number:	01-10-01	NOAA Pribilof Islands Property Transfer

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-1 Gray opaque twisted woven fiber bundles

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	98% Synthetic	2% Mineral Particles

Comments:

L-2 Beige opaque pliable mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Mineral Fragments

Comments:

L-3 White flat woven fiber bundles

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Plastic Particles
		5% Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006109	
Client Sample Number: 01-11-01	NOAA Pribilof Islands Property Transfer

L-1 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005


Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-2 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006110	
Client Sample Number:	01-12-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Golden beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Silver metallic sheeting material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Metal

Comments:

L-3 Pale beige fibrous twisted fiber bundles

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	98% Cotton	2% Mineral Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005


Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-4 Pale gray fibrous backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
12% Chrysotile	20% Cellulose	56% Talc Filler and Binder
		10% Diatoms
		2% Miscellaneous Particles

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006111	
Client Sample Number: 01-12-02	NOAA Pribilof Islands Property Transfer

L-1 Dark orange and beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Silver thick metallic material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-3 Beige powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
12% Chrysotile	20% Cellulose	56% Talc Filler and Binder
		10% Diatoms
		2% Miscellaneous Particles

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005


Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

Batch Number: 05-1143 NOAA Pribilof Project Office
 Lab Sample Number: 05006112
 Client Sample Number: **01-14-01** NOAA Pribilof Islands
 Property Transfer

L-1 Dull brown opaque woven fiber bundles

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	98% Cotton	2% Mineral Fragments

Comments:

L-2 Pale grayish white and black opaque fibrous curly material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Synthetic	1% Mineral Fragments

Comments:

Batch Number: 05-1143 NOAA Pribilof Project Office
 Lab Sample Number: 05006113
 Client Sample Number: **02-01-01** NOAA Pribilof Islands
 Property Transfer

L-1 Pale gray paint on beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Yellow paint on beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
 Received By: Anthony Dean
 Reviewed By: George McCaslin

5/18/2005

5/20/2005


 Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-3 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006114	
Client Sample Number:	02-02-01	NOAA Pribilof Islands Property Transfer

L-1 White opaque textured pliable mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Calcite Filler and Binder

Comments:

L-2 Pale beige paint on pink paint on pale blue paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 Pale green paint on beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-4 Dark orange resinous mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		97% Resin and Binder
		3% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006115	
Client Sample Number:	02-02-02	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Dark orange pliable mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	5% Cellulose	90% Resin and Binder
		5% Mineral Fragments

Comments:

L-2 Pale pink, violet, and white mosaic opaque pliable sheet vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Vinyl Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 Pale tan fibrous papery backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	55% Cellulose	40% Filler and Binder
	5% Glass Fiber	

Comments:

L-4 Golden tan opaque mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Resin and Binder
		5% Mineral Fragments

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006116	
Client Sample Number: 02-02-03	NOAA Pribilof Islands Property Transfer

L-1 White paint on deep beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Pale beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Bulk Asbestos Fiber Analysis

L-3 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 White fine powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	25% Cellulose	70% Talc Filler and Binder
		5% Mineral Fragments

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006117	
Client Sample Number: 02-03-01	NOAA Pribilof Islands Property Transfer

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-2 Pale beige fine crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
92% Calcite Filler and Binder
5% Vermiculite
3% Mineral Fragments

Comments:

L-3 Dark pink paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-4 Brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
99% Cellulose

Non-Fibrous Components:
1% Filler and Binder

Comments:

L-5 White powdery fibrous material with wooden splinters

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
40% Cellulose

Non-Fibrous Components:
55% Talc Filler and Binder
5% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006118
Client Sample Number: **02-04-01**

NOAA Pribilof Project Office

*NOAA Pribilof Islands
Property Transfer*

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-1 Pale periwinkle paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
88% Calcite Filler and Binder
10% Vermiculite
2% Mineral Fragments

Comments:

L-3 Pale beige paint on pale green paint on dark green paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-4 Beige paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
99% Cellulose

Non-Fibrous Components:
1% Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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5/20/2005



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Bulk Asbestos Fiber Analysis

L-6 White powdery fibrous material with brown wooden splinter material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006119	
Client Sample Number:	02-05-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Pale beige and dark orange streaked hard vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
3% Chrysotile		65% Calcite Filler and Binder
		25% Vinyl Filler and Binder
		6% Mineral Fragments
		1% Lizardite

Comments:

L-2 Transparent resinous mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		97% Resin and Binder
		3% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006120	
Client Sample Number:	02-07-01	<i>NOAA Pribilof Islands Property Transfer</i>

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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5/20/2005



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Bulk Asbestos Fiber Analysis

L-1 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Pale orange fibrous opaque material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006121

Client Sample Number: **02-07-02**

*NOAA Pribilof Islands
Property Transfer*

L-1 Pale gray and white thin brittle vinyl tile material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
65% Calcite Filler and Binder
30% Mineral Filler and Binder
5% Vinyl Filler and Binder

Comments:

L-2 Transparent resinous sticky mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
95% Resin and Binder
3% Plant Debris
2% Mineral Fragments

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

5/18/2005

5/20/2005

Deitrie Hanson

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5/20/2005



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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006122	
Client Sample Number:	02-10-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Pale periwinkle-white paint on pink paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Orange and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-3 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	12% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments
		3% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006123	
Client Sample Number:	03-01-01	<i>NOAA Pribilof Islands Property Transfer</i>

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Bulk Asbestos Fiber Analysis

L-1 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Calcite Filler and Binder
		5% Mineral Fragments

Comments:

L-2 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-3 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006124	
Client Sample Number: 03-01-02	NOAA Pribilof Islands Property Transfer

L-1 Pale gray pliable rubbery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Rubber Particles
		10% Calcite Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Deitrie Hanson
Analyzed By: Deitrie Hanson 5/20/2005



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Bulk Asbestos Fiber Analysis

L-2 Golden orange opaque mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

96% Resin and Binder

4% Mineral Fragments

Comments:

L-3 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

L-4 White crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

98% Calcite Filler and Binder

2% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006125

Client Sample Number: **03-01-03**

*NOAA Pribilof Islands
Property Transfer*

L-1 Off-white opaque sheet vinyl tile material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Plastic Particles

10% Vinyl Filler and Binder

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

5/18/2005

Reviewed By: George McCaslin

5/20/2005

Deitrie Hanson

Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-2 Pale gray fibrous papery backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	60% Cellulose	35% Filler and Binder
		5% Mineral Fragments

Comments:

L-3 Golden orange opaque mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Calcite Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006126	
Client Sample Number: 03-01-04	NOAA Pribilof Islands Property Transfer

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Calcite Filler and Binder
		5% Mineral Fragments
		5% Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 White powdery fibrous material with brown splinters

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	20% Cellulose	70% Talc Filler and Binder
		10% Mineral Fragments

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006127	
Client Sample Number:	03-08-01	NOAA Pribilof Islands Property Transfer

L-1 White paint on deep beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-2 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-3 White powdery fibrous material with wooden splinter material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

L-4 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006128	
Client Sample Number: 03-10-01	NOAA Pribilof Islands Property Transfer

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005


Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-2 Off-white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Calcite Filler and Binder
		5% Perlite
		5% Vermiculite

Comments:

L-3 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 White fine powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	12% Cellulose	88% Talc Filler and Binder

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006129	
Client Sample Number:	03-12-01	NOAA Pribilof Islands Property Transfer

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-1 Black pliable rubbery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Rubber Particles

10% Calcite Filler and Binder

Comments:

L-2 Golden tan opaque mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

95% Resin and Binder

5% Mineral Fragments

Comments:

L-3 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

L-4 White crystalline powdery flaky material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

92% Calcite Filler and Binder

5% Perlite

3% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006130
Client Sample Number: **03-13-01**

NOAA Pribilof Project Office

*NOAA Pribilof Islands
Property Transfer*

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

5/18/2005

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Deitrie Hanson

Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-1 White paint on beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Dark green paint on dark gray paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-3 Orange fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder 5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006131	
Client Sample Number:	03-14-01	NOAA Pribilof Islands Property Transfer

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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5/20/2005



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Bulk Asbestos Fiber Analysis

L-1 Gray paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Beige opaque thick pliable rubbery mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Resin and Binder
10% Calcite Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006132	
Client Sample Number:	03-14-02	<i>NOAA Pribilof Islands Property Transfer</i>

Dark gray and black fibrous opaque material with black fine powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
93% Glass Fiber

Non-Fibrous Components:
4% Mineral Particles
3% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006133	
Client Sample Number:	04-02-01	<i>NOAA Pribilof Islands Property Transfer</i>

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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5/20/2005


Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-1 Pale beige opaque pliable rubbery sheet vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Vinyl Filler and Binder

Comments:

L-2 Pale gray fibrous papery backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	60% Cellulose	30% Filler and Binder
	10% Glass Fiber	

Comments:

L-3 Orange resinous mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Mineral Fragments

Comments:

L-4 Black and brown hard granular powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		85% Sand
		12% Asphalt Filler and Binder
		3% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006134	
Client Sample Number:	04-02-02	NOAA Pribilof Islands Property Transfer

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson 5/20/2005



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Bulk Asbestos Fiber Analysis

L-1 White paint on periwinkle paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 White powdery crystalline material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
92% Calcite Filler and Binder
5% Vermiculite
3% Mineral Fragments

Comments:

L-3 Brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
99% Cellulose

Non-Fibrous Components:
1% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Cellulose

Non-Fibrous Components:
80% Talc Filler and Binder
5% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006135
Client Sample Number: **04-02-03**

NOAA Pribilof Project Office

*NOAA Pribilof Islands
Property Transfer*

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-1 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Black asphaltic material on white paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
60% Asphalt Filler and Binder
40% Paint

Comments:

L-3 White fine crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Calcite Filler and Binder
6% Mineral Fragments
4% Filler and Binder

Comments:

L-4 Tan and brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

L-5 White powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Cellulose

Non-Fibrous Components:
80% Talc Filler and Binder
5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006136	
Client Sample Number:	04-02-04	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 White thin hard brittle material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Paint

Comments:

L-2 Brown opaque brittle material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	70% Cellulose	25% Resin and Binder
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006137	
Client Sample Number:	04-02-05	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Dull beige opaque pliable mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		80% Resin and Binder
		15% Calcite Filler and Binder
		5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-2 Yellow paint on white paint on green paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-3 Pale tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder 5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006138	
Client Sample Number:	04-02-06	NOAA Pribilof Islands Property Transfer

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-2 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Calcite Filler and Binder
		5% Vermiculite
		5% Mineral Fragments

Comments:

L-3 Pale tan fibrous tape-like papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-4 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Calcite Filler and Binder
		5% Vermiculite
		5% Mineral Fragments

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-6 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006139	
Client Sample Number:	04-02-07	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Off-white paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Off-white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Calcite Filler and Binder
		5% Mineral Fragments

Comments:

L-3 Pale tan fibrous tape-like papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-4 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
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Bulk Asbestos Fiber Analysis

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-6 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	12% Cellulose	85% Talc Filler and Binder
		3% Mineral Fragments

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006140	
Client Sample Number: 04-02-08	NOAA Pribilof Islands Property Transfer

L-1 Silvery shiny pliable thin metallic material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Foil

Comments:

L-2 Transparent bubbly material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Plastic Particles

Comments:

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Bulk Asbestos Fiber Analysis

L-3 Silvery shiny pliable thin metallic material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Foil

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006141
Client Sample Number: **04-02-09**

NOAA Pribilof Project Office

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L-1 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Dull pale brown fibrous opaque material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
45% Cellulose
40% Mineral Wool

Non-Fibrous Components:
10% Perlite
5% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006142
Client Sample Number: **04-02-10**

NOAA Pribilof Project Office

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Property Transfer*

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Bulk Asbestos Fiber Analysis

White opaque thick fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Glass Fiber	80% Plastic Particles
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006143	
Client Sample Number:	04-02-11	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Pale brown opaque fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	55% Cellulose	5% Perlite
	40% Mineral Wool	

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006144	
Client Sample Number:	04-03-01	<i>NOAA Pribilof Islands Property Transfer</i>

Sampled By: Greg Gervais
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Reviewed By: George McCaslin

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330 6th Ave. North, Suite 200 Seattle, WA 98109
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Bulk Asbestos Fiber Analysis

Gray pliable thick rubbery strip material on transparent sticky resinous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	10% Cotton	70% Rubber Particles
		20% Resin and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006145	
Client Sample Number:	04-03-02	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		92% Calcite Filler and Binder
		5% Vermiculite
		3% Mineral Fragments

Comments:

L-3 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-4 White powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Cellulose

Non-Fibrous Components:
80% Talc Filler and Binder
5% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006146

*NOAA Pribilof Islands
Property Transfer*

Client Sample Number: **04-03-03**

L-1 Dull pale gray and white paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
92% Calcite Filler and Binder
5% Vermiculite
3% Mineral Fragments

Comments:

L-3 White paint on dark green paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

5/18/2005

Reviewed By: George McCaslin

5/20/2005

Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-4 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	98% Cellulose	2% Filler and Binder

Comments:

L-5 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Glass Fiber 5% Cellulose	80% Talc Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006147	
Client Sample Number: 04-03-04	NOAA Pribilof Islands Property Transfer

L-1 White and blue papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-2 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	95% Cellulose	3% Filler and Binder 2% Mineral Fragments

Comments:

Sampled By: Greg Gervais
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5/18/2005
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Deitrie Hanson
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5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 Pale pinkish white powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	12% Cellulose	85% Talc Filler and Binder
	3% Glass Fiber	

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006148	
Client Sample Number:	04-04-01	<i>NOAA Pribilof Islands Property Transfer</i>

Beige opaque pliable rubbery mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Calcite Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006149	
Client Sample Number:	04-04-02	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 White opaque pliable sheet vinyl tile material with gray spots

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Plastic Particles
		5% Vinyl Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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5/20/2005



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Bulk Asbestos Fiber Analysis

L-2 Pale gray fibrous backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	60% Cellulose	30% Filler and Binder
		5% Mineral Fragments
		5% Filler and Binder

Comments:

L-3 Golden dark tan opaque mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Resin and Binder
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006150	
Client Sample Number:	04-04-03	NOAA Pribilof Islands Property Transfer

L-1 White opaque sheet vinyl tile material with gray flecks

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Vinyl Filler and Binder

Comments:

L-2 Pale grayish white fibrous backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	55% Cellulose	40% Filler and Binder
	5% Glass Fiber	

Comments:

Sampled By: Greg Gervais
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Bulk Asbestos Fiber Analysis

L-3 Golden tan opaque mastic on dark red and black rocks

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

70% Resin and Binder

25% Rocks

5% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006151

*NOAA Pribilof Islands
Property Transfer*

Client Sample Number: **04-04-04**

L-1 White rubbery material on off-white brittle material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

80% Miscellaneous Particles

15% Rubber Particles

5% Mineral Fragments

Comments:

L-2 Brown opaque pliable material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

30% Resin and Binder

5% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006152

*NOAA Pribilof Islands
Property Transfer*

Client Sample Number: **04-04-05**

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

5/18/2005

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Analyzed By: Deitrie Hanson

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Bulk Asbestos Fiber Analysis

L-1 White opaque rubbery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Rubber Particles
		10% Calcite Filler and Binder

Comments:

L-2 Pale beige brittle material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Miscellaneous Particles
		5% Paint

Comments:

L-3 Brown opaque brittle material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	60% Cellulose	35% Resin and Binder
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006153	
Client Sample Number:	04-04-06	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Deitrie Hanson
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5/20/2005



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Bulk Asbestos Fiber Analysis

L-2 Off-white crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Calcite Filler and Binder
5% Perlite
5% Mineral Fragments

Comments:

L-3 Pale tan fibrous tape-like papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

L-4 Off-white crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Calcite Filler and Binder
6% Talc Filler and Binder
4% Mineral Fragments

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
99% Cellulose

Non-Fibrous Components:
1% Filler and Binder

Comments:

L-6 Pale pinkish white powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
12% Cellulose

Non-Fibrous Components:
85% Talc Filler and Binder
3% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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5/20/2005



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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006154	
Client Sample Number:	04-04-07	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Off-white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		92% Calcite Filler and Binder
		5% Vermiculite
		3% Mineral Fragments

Comments:

L-3 Pale tan fibrous tape-like papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-4 Off-white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Calcite Filler and Binder
		5% Vermiculite
		5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-6 Pale pinkish white powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Glass Fiber	80% Talc Filler and Binder
	5% Cellulose	

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006155	
Client Sample Number:	04-04-08	NOAA Pribilof Islands Property Transfer

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		85% Calcite Filler and Binder
		12% Mineral Filler and Binder
		3% Vermiculite

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Deitrie Hanson
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5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 Pale tan fibrous tape-like material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-4 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		92% Calcite Filler and Binder
		5% Mineral Fragments
		3% Filler and Binder

Comments:

L-5 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-6 Pale pinkish white powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Glass Fiber	80% Talc Filler and Binder
		5% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006156	
Client Sample Number:	04-05-01	NOAA Pribilof Islands Property Transfer

Sampled By: Greg Gervais
Received By: Anthony Dean
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Bulk Asbestos Fiber Analysis

L-1 Silvery gray lustrous thin rubbery pliable material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

94% Rubber Particles
5% Resin and Binder
1% Mineral Fragments

Comments:

L-2 Yellow resinous mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

98% Resin and Binder
2% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006157

NOAA Pribilof Islands
Property Transfer

Client Sample Number: **04-05-02**

L-1 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Calcite Filler and Binder
10% Mineral Fragments

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

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Analyzed By: Deitrie Hanson

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Bulk Asbestos Fiber Analysis

L-3 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Glass Fiber 5% Cellulose	80% Talc Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006158	
Client Sample Number:	04-06-01	NOAA Pribilof Islands Property Transfer

L-1 Gray and white curly fiber bundles

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	98% Synthetic	2% Resin and Binder

Comments:

L-2 Dark tan opaque foam-like material on tan mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		85% Rubber Particles 12% Resin and Binder 3% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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5/20/2005



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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006159	
Client Sample Number:	04-06-02	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Off-white paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-3 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder 5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006160	
Client Sample Number:	04-08-01	<i>NOAA Pribilof Islands Property Transfer</i>

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-1 Pale beige, tan, and white opaque pliable sheet vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Vinyl Filler and Binder

Comments:

L-2 Pale gray fibrous backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	45% Cellulose	40% Filler and Binder
	10% Glass Fiber	5% Mineral Fragments

Comments:

L-3 Yellow resinous mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Resin and Binder
		5% Mineral Fragments

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006161	
Client Sample Number: 04-10-01	NOAA Pribilof Islands Property Transfer

L-1 Silvery gray lustrous pliable thin rubbery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Rubber Particles
		5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-2 Off-white resinous opaque mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Calcite Filler and Binder

Comments:

L-3 Black opaque rubbery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Rubber Particles
		10% Calcite Filler and Binder

Comments:

L-4 Off-white dull mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Resin and Binder
		5% Mineral Fragments

Comments:

L-5 White paint on pale bluish white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		55% Calcite Filler and Binder
		40% Paint
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006162	
Client Sample Number:	04-11-01	NOAA Pribilof Islands Property Transfer

Sampled By: Greg Gervais
Received By: Anthony Dean
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Bulk Asbestos Fiber Analysis

L-1 Dull brown opaque fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

95% Plant Debris
5% Mineral Fragments

Comments:

L-2 Red hard granular material with white fibers

Asbestos Fibrous Components:
20% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

45% Mineral Filler and Binder
20% Clay Filler and Binder
10% Talc Filler and Binder
5% Miscellaneous Particles

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006163

*NOAA Pribilof Islands
Property Transfer*

Client Sample Number: **05-01-01**

L-1 Off-white opaque pliable rubbery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Rubber Particles
10% Calcite Filler and Binder

Comments:

L-2 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

5/18/2005

Reviewed By: George McCaslin

5/20/2005

Analyzed By: Deitrie Hanson

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Bulk Asbestos Fiber Analysis

L-3 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006164	
Client Sample Number:	05-01-02	NOAA Pribilof Islands Property Transfer

L-1 Dark reddish orange hard tile material with red streaks

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		45% Calcite Filler and Binder
		40% Mineral Filler and Binder
		10% Vinyl Filler and Binder
		5% Miscellaneous Particles

Comments:

L-2 Tan resinous opaque mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		97% Resin and Binder
		3% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006165	
Client Sample Number:	05-02-01	NOAA Pribilof Islands Property Transfer

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-1 Off-white paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Off-white crystalline powdery flaky material

Asbestos Fibrous Components:
<1% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
85% Calcite Filler and Binder
12% Vermiculite
>2% Mineral Filler and Binder

Comments:

This layer contains <1% chrysotile asbestos.

L-3 Pale tan fibrous tape-like papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

L-4 Off-white crystalline powdery flaky material

Asbestos Fibrous Components:
<1% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
85% Calcite Filler and Binder
12% Vermiculite
>2% Mineral Fragments

Comments:

This layer contains <1% chrysotile asbestos.

L-5 Brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
99% Cellulose

Non-Fibrous Components:
1% Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Bulk Asbestos Fiber Analysis

L-6 White powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Cellulose

Non-Fibrous Components:
80% Talc Filler and Binder
5% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006166
Client Sample Number: **05-03-01**

NOAA Pribilof Project Office

*NOAA Pribilof Islands
Property Transfer*

L-1 Off-white paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Off-white crystalline powdery material

Asbestos Fibrous Components:
<1% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
92% Calcite Filler and Binder
5% Mineral Fragments
>2% Vermiculite

Comments:

L-3 Pale tan fibrous tape-like papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005

5/20/2005

Analyzed By: Deitrie Hanson

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Bulk Asbestos Fiber Analysis

L-4 Off-white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
<1% Chrysotile		92% Calcite Filler and Binder
		5% Vermiculite
		>2% Mineral Fragments

Comments:

This layer contains <1% chrysotile asbestos.

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-6 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

L-7 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006167	
Client Sample Number:	05-04-01	NOAA Pribilof Islands Property Transfer

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

5/18/2005

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Analyzed By: Deitrie Hanson

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Bulk Asbestos Fiber Analysis

L-1 Red opaque pliable sheet vinyl tile material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Plastic Particles

10% Vinyl Filler and Binder

Comments:

L-2 Black asphaltic fibrous papery backing

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
60% Cellulose

Non-Fibrous Components:

35% Asphalt Filler and Binder

5% Mineral Fragments

Comments:

L-3 Dark brown opaque brittle mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Resin and Binder

6% Mineral Fragments

4% Filler and Binder

Comments:

L-4 Dark golden orange resinous mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

99% Resin and Binder

1% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006168

NOAA Pribilof Islands
Property Transfer

Client Sample Number: **05-04-02**

Sampled By: Greg Gervais

Received By: Anthony Dean

5/18/2005

Reviewed By: George McCaslin

5/20/2005


Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-1 Off-white paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Pale beige crystalline powdery material

Asbestos Fibrous Components:
<1% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
93% Calcite Filler and Binder
>6% Mineral Fragments

Comments:

This layer contains <1% chrysotile asbestos.

L-3 Pale tan fibrous tape-like papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

L-4 Pale beige crystalline powdery material

Asbestos Fibrous Components:
<1% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
93% Calcite Filler and Binder
4% Mineral Fragments
>2% Vermiculite

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
99% Cellulose

Non-Fibrous Components:
1% Filler and Binder

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-6 White powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Cellulose

Non-Fibrous Components:
80% Talc Filler and Binder
5% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006169
Client Sample Number: **05-06-01**

NOAA Pribilof Project Office

*NOAA Pribilof Islands
Property Transfer*

L-1 Dull tan hard tile material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
45% Mineral Filler and Binder
40% Calcite Filler and Binder
10% Vinyl Filler and Binder
5% Mineral Fragments

Comments:

L-2 Yellow mastic on black powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Resin and Binder
5% Miscellaneous Particles
5% Filler and Binder

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006170
Client Sample Number: **05-06-02**

NOAA Pribilof Project Office

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Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-1 Tan shiny opaque mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

92% Resin and Binder

8% Mineral Fragments

Comments:

L-2 Dull orange opaque mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

80% Resin and Binder

20% Calcite Filler and Binder

Comments:

L-3 Dull pale brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
99% Cellulose

Non-Fibrous Components:
1% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006171	
Client Sample Number:	05-07-01	NOAA Pribilof Islands Property Transfer

L-1 Pale beige paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
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Bulk Asbestos Fiber Analysis

L-2 Pale beige crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
<1% Chrysotile		93% Calcite Filler and Binder
		4% Vermiculite
		>2% Mineral Fragments

Comments:
This layer contains <1% chrysotile asbestos.

L-3 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

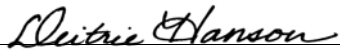
Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006172	
Client Sample Number: 05-08-01	NOAA Pribilof Islands Property Transfer

L-1 Dull black hard tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
3% Chrysotile		55% Mineral Filler and Binder
		40% Calcite Filler and Binder
		2% Lizardite

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean 5/18/2005
Reviewed By: George McCaslin 5/20/2005


Analyzed By: Deitrie Hanson 5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-2 Black resinous mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
98% Asphalt Filler and Binder
2% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006173
Client Sample Number: **05-08-02**

NOAA Pribilof Project Office

*NOAA Pribilof Islands
Property Transfer*

L-1 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Black thick pliable rubbery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Rubber Particles
10% Calcite Filler and Binder

Comments:

L-3 Black mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
92% Asphalt Filler and Binder
5% Mineral Fragments
3% Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-4 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-5 Off-white crystalline powdery material

Asbestos Fibrous Components:
<1% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
80% Calcite Filler and Binder
12% Vermiculite
5% Mineral Fragments
>2% Talc Filler and Binder

Comments:

This layer contains <1% chrysotile asbestos.

Batch Number: 05-1143
Lab Sample Number: 05006174
Client Sample Number: **05-08-03**

NOAA Pribilof Project Office

*NOAA Pribilof Islands
Property Transfer*

L-1 Off-white paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Deep beige paint on dark green paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 Pale gray powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006175	
Client Sample Number:	05-09-01	NOAA Pribilof Islands Property Transfer

L-1 Pale grayish white opaque sheet vinyl tile material with gray swirls

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Vinyl Filler and Binder

Comments:

L-2 Pale gray fibrous backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	65% Cellulose	30% Filler and Binder
	5% Glass Fiber	

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
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Bulk Asbestos Fiber Analysis

L-3 Golden tan opaque mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Resin and Binder

10% Mineral Fragments

Comments:

L-4 Tan wooden splinter material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

3% Resin and Binder

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006176

NOAA Pribilof Islands
Property Transfer

Client Sample Number: **05-11-01**

L-1 Dull pink paint on red paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

L-2 Off-white crystalline powdery material

Asbestos Fibrous Components:
<1% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

92% Calcite Filler and Binder

5% Vermiculite

>2% Mineral Fragments

Comments:

This layer contains <1% chrysotile asbestos overall.

Sampled By: Greg Gervais

Received By: Anthony Dean

5/18/2005

Reviewed By: George McCaslin

5/20/2005

Deitrie Hanson

Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-3 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006177	
Client Sample Number: 05-13-01	NOAA Pribilof Islands Property Transfer

L-1 Dull silvery gray pliable thin rubbery material on white woven fiber bundles

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	40% Cotton	55% Rubber Particles
		5% Mineral Fragments

Comments:

L-2 Gray opaque sticky mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		8% Mineral Fragments
		2% Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006178	
Client Sample Number:	05-14-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-2 Dull brown powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	12% Glass Fiber	85% Talc Filler and Binder
		3% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006179	
Client Sample Number:	05-14-02	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Dull white hard crystalline textured material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	10% Wollastonite	50% Resin and Binder
		35% Gypsum Filler and Binder
		5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



NVLAP LAB CODE 200613-0



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-2 Gray paint on pink paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

98% Paint

2% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006180

*NOAA Pribilof Islands
Property Transfer*

Client Sample Number: **05-17-01**

L-1 Dark pink paint on white fine powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

65% Paint

30% Calcite Filler and Binder

5% Talc Filler and Binder

Comments:

L-2 Tan and brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

3% Filler and Binder

Comments:

L-3 White powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

80% Talc Filler and Binder

5% Mineral Fragments

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

5/18/2005

Reviewed By: George McCaslin

5/20/2005

Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006181	
Client Sample Number:	05-18-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Yellow opaque smooth brittle foam-like material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	100% Polyurethane	

Comments:

L-2 Silver pliable metallic sheeting material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Metal

Comments:

L-3 Dark tan opaque thick foam-like material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Rubber Particles
		5% Mineral Fragments
		5% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006182	
Client Sample Number:	05-19-01	<i>NOAA Pribilof Islands Property Transfer</i>

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

Black and dark gray opaque fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	95% Mineral Wool	3% Resin and Binder
		2% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006183	
Client Sample Number:	05-20-01	NOAA Pribilof Islands Property Transfer

L-1 White paint on dull blue thick pliable rubbery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Rubber Particles
		6% Calcite Filler and Binder
		4% Paint

Comments:

L-2 Golden tan opaque mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		97% Resin and Binder
		3% Mineral Fragments

Comments:

L-3 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-4 Off-white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
<1% Chrysotile		80% Calcite Filler and Binder
		15% Mineral Fragments
		>4% Mineral Fragments

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006184	
Client Sample Number: 11-05-01	NOAA Pribilof Islands Property Transfer

L-1 Dull tan opaque pliable mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Calcite Filler and Binder

Comments:

L-2 Pale green and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



NVLAP LAB CODE 200613-0



330 6th Ave. North, Suite 200 Seattle, WA 98109

OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-3 White powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Cellulose

Non-Fibrous Components:
80% Talc Filler and Binder
5% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006185

*NOAA Pribilof Islands
Property Transfer*

Client Sample Number: **11-05-02**

L-1 White crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
85% Calcite Filler and Binder
10% Mineral Fragments
5% Filler and Binder

Comments:

L-2 Pale yellowish white fibrous tape-like material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

L-3 White crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
92% Calcite Filler and Binder
5% Vermiculite
3% Mineral Fragments

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

5/18/2005

5/20/2005

Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-4 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-5 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006186	
Client Sample Number: 12-03-01	NOAA Pribilof Islands Property Transfer

L-1 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-2 Pale pinkish white powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005


Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006187	
Client Sample Number:	12-04-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		85% Calcite Filler and Binder
		10% Talc Filler and Binder
		5% Vermiculite

Comments:

L-3 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006188	
Client Sample Number:	12-06-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 White and pale pink opaque sheet vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Vinyl Filler and Binder

Comments:

L-2 Tan granular fibrous backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	12% Glass Fiber	45% Calcite Filler and Binder
		40% Filler and Binder
		3% Mineral Particles

Comments:

L-3 Tan opaque mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		5% Mineral Fragments
		3% Insect Parts
		2% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006189	
Client Sample Number:	12-06-02	<i>NOAA Pribilof Islands Property Transfer</i>

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-1 Off-white opaque pliable rubbery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Rubber Particles
8% Mineral Fragments
2% Rocks

Comments:

L-2 Pale grayish white opaque sheet vinyl tile material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Plastic Particles
10% Vinyl Filler and Binder

Comments:

L-3 Pale gray fibrous backing on tan mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
65% Cellulose

Non-Fibrous Components:

30% Filler and Binder
5% Resin and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006190	
Client Sample Number:	12-07-01	<i>NOAA Pribilof Islands Property Transfer</i>

White hard brittle material with transparent straight fibers

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
12% Glass Fiber

Non-Fibrous Components:

83% Plastic Particles
5% Mineral Particles

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005

APPENDIX C
INSPECTOR CERTIFICATE

Headstart Building
St. Paul Island, Alaska

Certificate of Completion

This is to certify that
Gregory Gervais
has satisfactorily completed
24 hours of training as an

AHERA Building Inspector

in compliance with TSCA Title II AHERA 40 CFR Part 763

U.S. EPA Region 10 Accredited

April 20, 2005

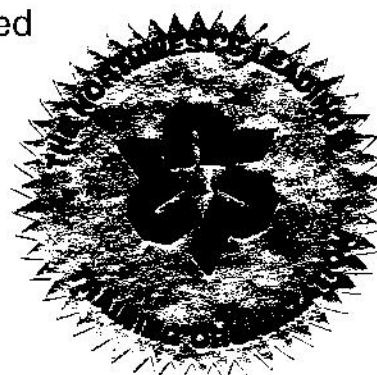


Instructor: Kristine Hatfield

Exp. Date: April 20, 2006



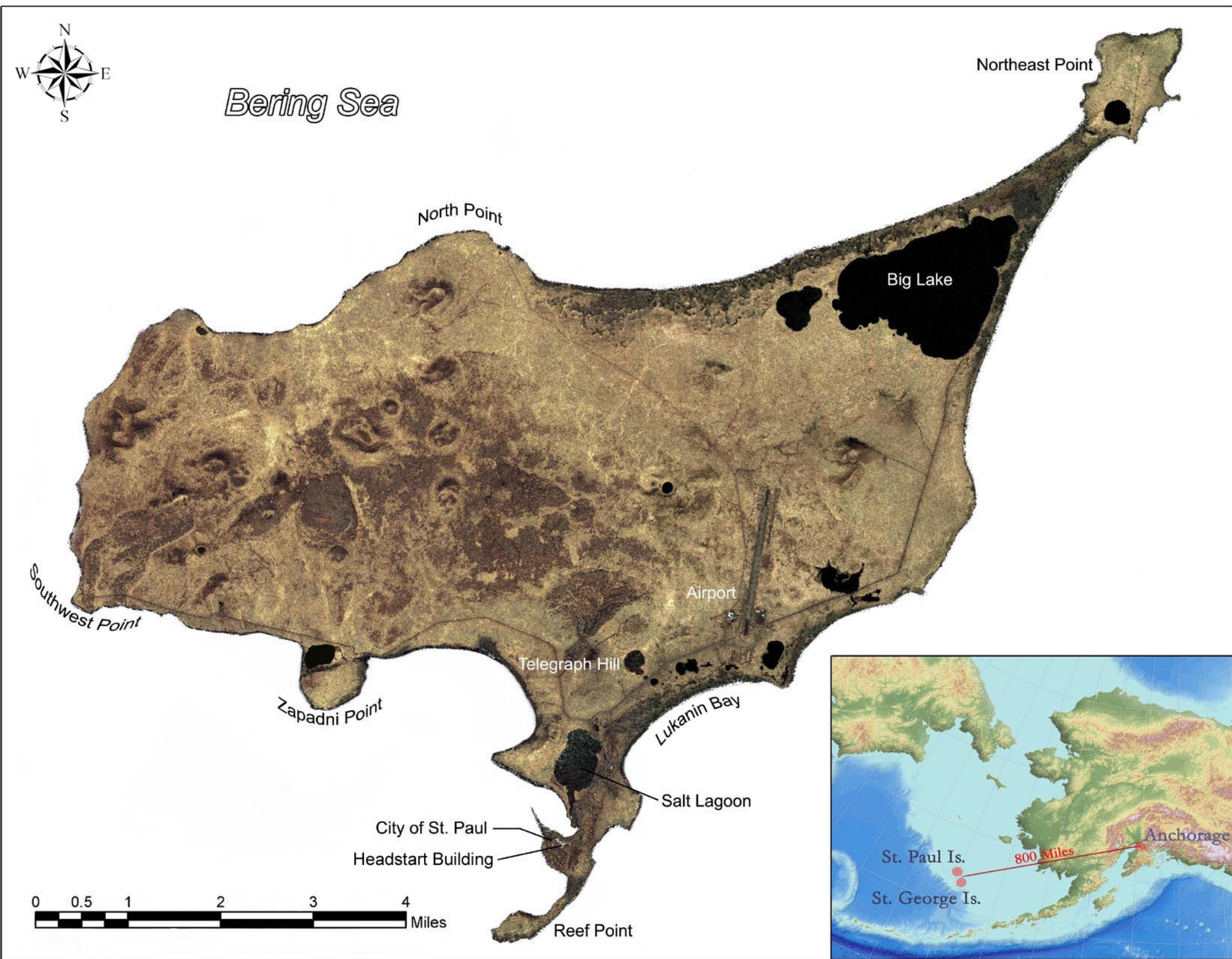
Prezant



Cert. # 05-1261

Conducted by:
Prezant Associates, Inc. Seattle, WA

Prezant Associates, Inc. • 330 Sixth Avenue North, Suite 200 • Seattle, Washington 98109 • (206) 281-8858



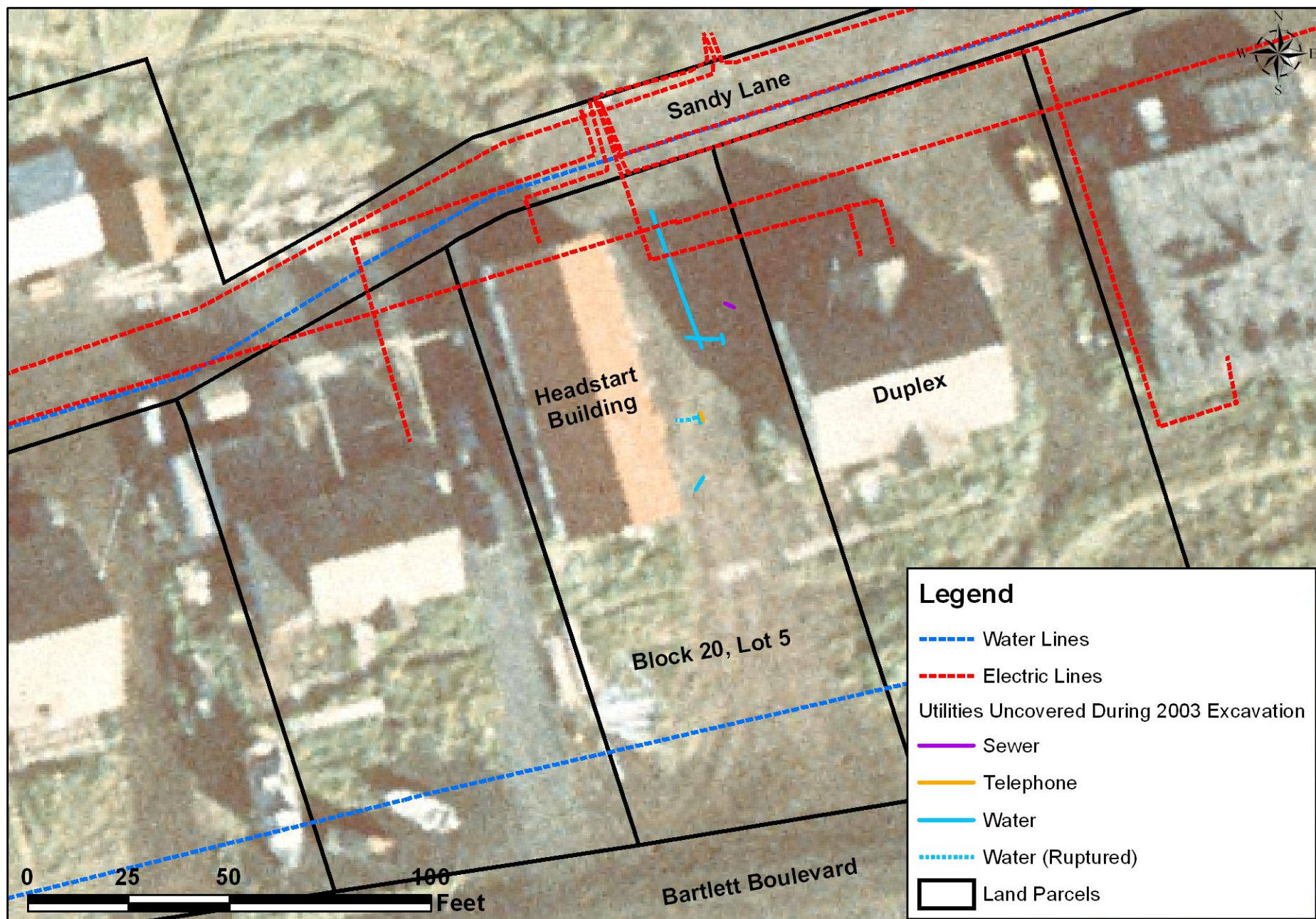
Figure

1

St. Paul Island and Vicinity of Subject Property
Headstart Building
St. Paul Island, Alaska

Source: Ikonos Satellite
Imagery, 2001





Figure

1

Subject Property
Headstart Building
St. Paul Island, Alaska

Sources: Water and Electric Utilities (Polarconsult 2001), Utilities uncovered by excavation and Parcel Boundaries (NOAA Pribilof Project GIS 2005), Aerial Photo (Aeromap US 1996).

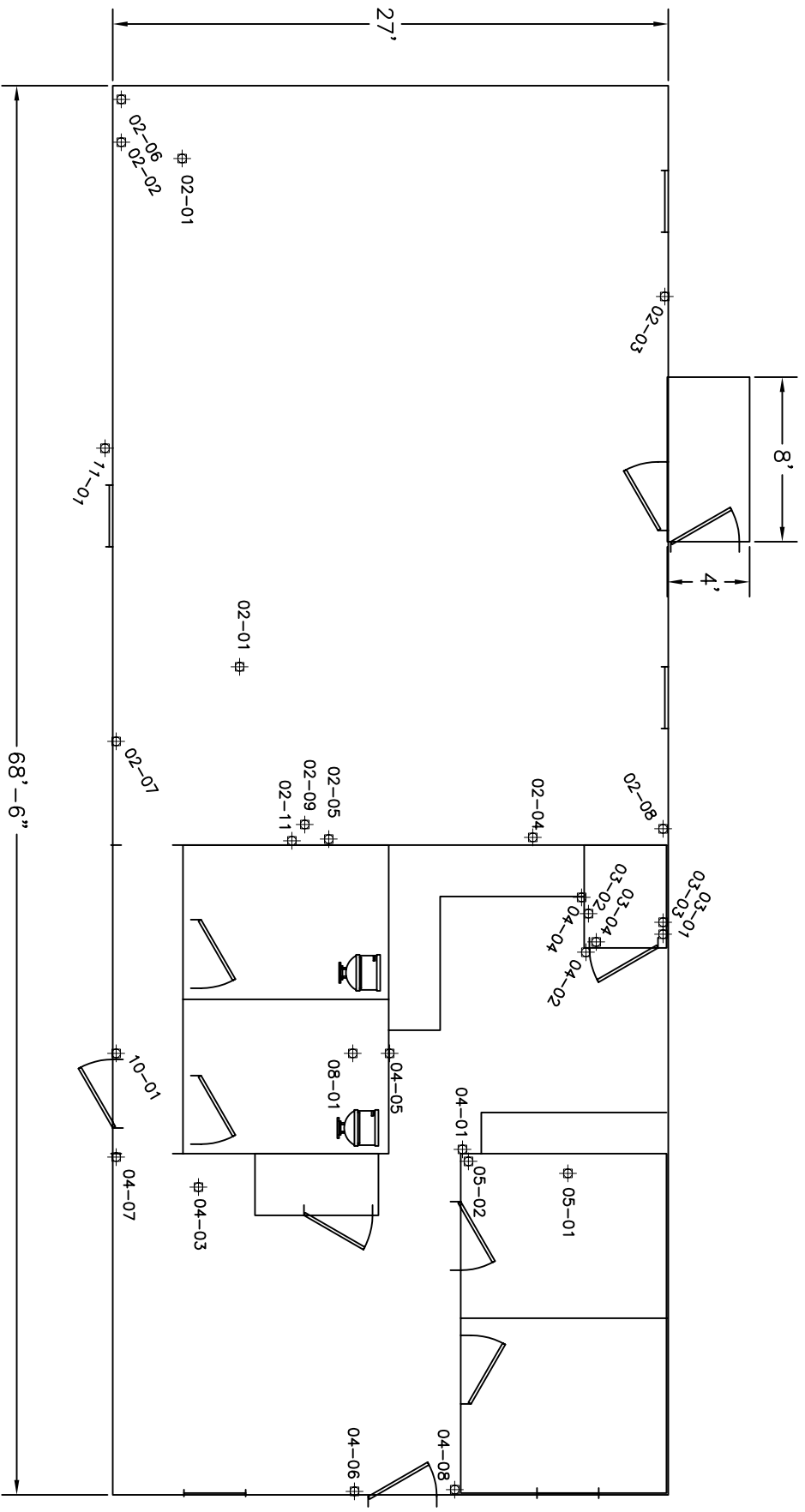


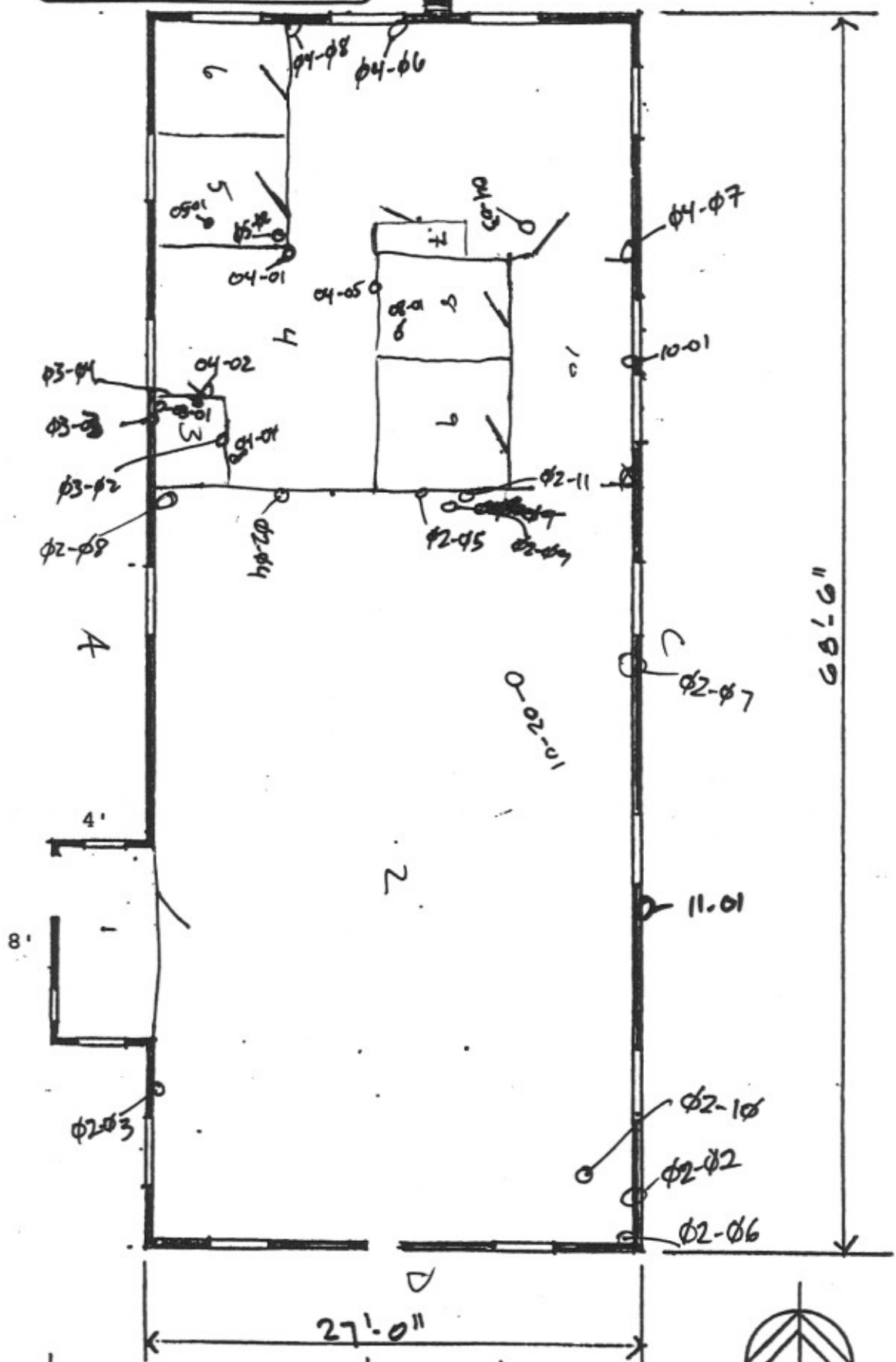
Figure 3 Floor Plan & Asbestos Sample Locations, Main Floor Head Start Building Scale: 1/8" = 1'-0"

APPENDIX A

FIELD NOTES

**Headstart Building
St. Paul Island, Alaska**

Building Sketch



11 = Exterior

ELECTRICAL SHOP
BUILDING #13



Headstart Building

5/10/05

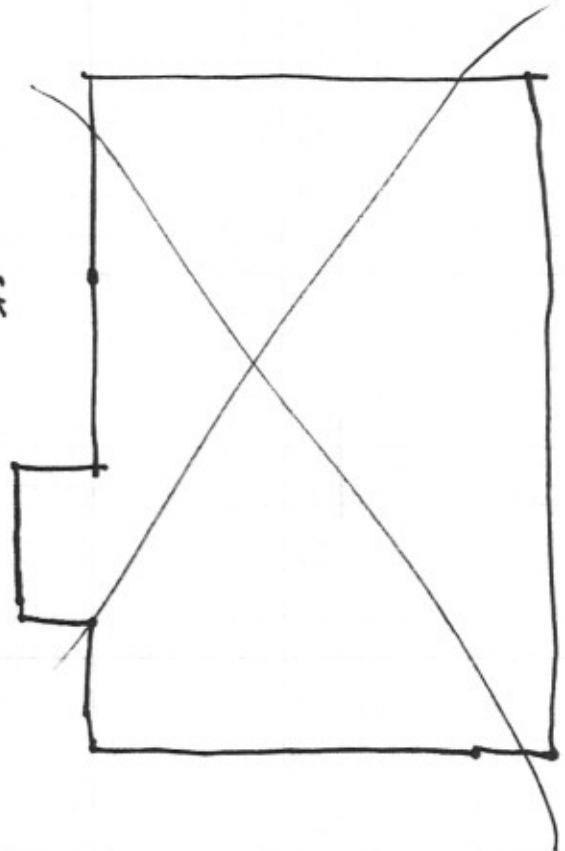
1400 hrs.

- Office (06)
- 06-01 = carpet/pad sample
 - 5'4" from E. wall, along S. wall
- 06-02 = wall sample
 - 5'4" from E. wall, along S. wall

Δ2 ceiling tile types,
homog. to rest of
bldg.

- Kitchen (04)
- 04-01 = cove base mastic

- Hallway (10)
- 10-01 = black cove base + mastic



Homog. Materials:

- Office Carpet = (1) [06-01] ✓
- Cove Base/Mastic - Gray (1) [04-01] ✓
- " " - Black (1) [10-01] ✓
- Dry Wall - light texture (5) [06-01, 06-02, 04-01, 04-02, 04-03] ✓
- " " - medium texture (5) [06-02, 04-04, 05-02, 04-07, 04-08]
- Ceiling Tile - worm hole (2) [02-09]
- Ceiling Tile - no hole (1) [02-10]
- Ceiling Tile - fiberglass? (1) [02-10]
- Vinyl Floor - snake pattern (2) 02-01, 08-01
- " " - speckle pattern (2) 04-02, 04-03
- Kitchen Countertop (1) 04-04
- Kitchen Backsplash (1) 04-05
- Duct Tape Cool Air Makeup (1) 03-01
- Dry Wall - No texture (bailer room) (3) 03-02, 03-03, 03-04
- Duct Tape - Storage room condit (1) 05-01
- Plenum insulation & duct tape (1) [02-08]
- ~~Piping Cloth Tape (1) 06~~
- Classroom Countertop (1) [02-04]

- P. for condit, cement as base
pipe

04-11-01

APPENDIX B
ACM ANALYSIS RESULTS

Headstart Building
St. Paul Island, Alaska

NOAA National Ocean Service, Office of Response and Restoration
 Transfer of Property Agreement (TOPA) Environmental Property Inspections
 St. Paul and St. George Islands, Pribilof Islands, Alaska
 Greg Gervais, P.E. and John Fox
 Revised: 050921

Headstart Building, Lot 4, St. Paul Island, Alaska

I. AHERA Building Inspection

<u>Sample ID</u>	<u>Homogeneous Material</u>	<u>HM Number</u>	<u>Type</u>	<u>Date Collected</u>	<u>Date Analyzed</u>	<u>Result (% ACM)</u>	<u>Asbestos Type</u>	<u>Condition</u>	<u>Final Classification</u>	<u>Notes</u>
04- 02- 01	square pattern vinyl flooring	1	MISC	050510	50520	ND	NA	NA	Negative	
04- 02- 02	dry wall w/ light texturing	2	SM	050510	50520	ND	NA	NA	Negative	
04- 02- 03	dry wall w/ light texturing	2	SM	050510	50520	ND	NA	NA	Negative	
04- 02- 04	classroom countertop	3	MISC	050510	50520	ND	NA	NA	Negative	
04- 02- 05	dry wall w/ light texturing	2	SM	050510	50520	ND	NA	NA	Negative	
04- 02- 06	dry wall w/ light texturing	2	SM	050510	50520	ND	NA	NA	Negative	
04- 02- 07	dry wall w/ light texturing	2	SM	050510	50520	ND	NA	NA	Negative	
04- 02- 08	plenum insulation & duct tape	4	TSI	050510	50520	ND	NA	NA	Negative	
04- 02- 09	ceiling tile w/ worm holes	5	MISC	050510	50520	ND	NA	NA	Negative	
04- 02- 10	ceiling tile (resin)	6	MISC	050510	50520	ND	NA	NA	Negative	
04- 02- 11	ceiling tile w/ no holes	7	MISC	050510	50520	ND	NA	NA	Negative	
04- 03- 01	duct tape on cool air makeup	8	TSI	050510	50520	ND	NA	NA	Negative	
04- 03- 02	dry wall w/ no texturing	9	SM	050510	50520	ND	NA	NA	Negative	
04- 03- 03	dry wall w/ no texturing	9	SM	050510	50520	ND	NA	NA	Negative	
04- 03- 04	dry wall w/ no texturing	9	SM	050510	50520	ND	NA	NA	Negative	
04- 04- 01	gray cove base w/ mastic	10	MISC	050510	50520	ND	NA	NA	Negative	
04- 04- 02	speckled pattern vinyl flooring	11	MISC	050510	50520	ND	NA	NA	Negative	
04- 04- 03	speckled pattern vinyl flooring	11	MISC	050510	50520	ND	NA	NA	Negative	
04- 04- 04	kitchen countertop	12	MISC	050510	50520	ND	NA	NA	Negative	
04- 04- 05	backsplash	13	MISC	050510	50520	ND	NA	NA	Negative	
04- 04- 06	dry wall w/ medium texturing	14	SM	050510	50520	ND	NA	NA	Negative	
04- 04- 07	dry wall w/ medium texturing	14	SM	050510	50520	ND	NA	NA	Negative	
04- 04- 08	dry wall w/ medium texturing	14	SM	050510	50520	ND	NA	NA	Negative	
04- 05- 01	duct tape on conduit	15	TSI	050510	50520	ND	NA	NA	Negative	
04- 05- 02	dry wall w/ medium texturing	14	SM	050510	50520	ND	NA	NA	Negative	
04- 06- 01	office carpet	16	MISC	050510	50520	ND	NA	NA	Negative	
04- 06- 02	dry wall w/ medium texturing	14	SM	050510	50520	ND	NA	NA	Negative	
04- 08- 01	square pattern vinyl flooring	1	MISC	050510	50520	ND	NA	NA	Negative	
04- 10- 01	black cove base w/ mastic	17	MISC	050510	50520	ND	NA	NA	Negative	
04- 11- 01	red cement pipe conduit	18	MISC	050510		20	Chrysotile		ACBM	2 layers present, with asbestos only in L-2

II. Lead Paint Building Inspection

<u>Room Equivalent</u>	<u>Wall Number</u>	<u>XRF ID</u>	<u>Date Analyzed</u>	<u>Substrate</u>	<u>Feature</u>	<u>Color</u>	<u>Condition</u>	<u>Result (mg/cm²)</u>	<u>Error (± mg/cm²)</u>	<u>Final Classification</u>	<u>Notes</u>
01 - MUDROOM	D	-01	237	5/13/2005 12:04 DRYWALL	WALL	WHITE	INTACT	0	0.02	NEGATIVE	
02 - CLASSROOM	F	-01	228	5/13/2005 11:42 CONCRETE	CEILING	GREEN	PEELING	3.4		2.1 POSITIVE	
02 - CLASSROOM	A	-01	218	5/13/2005 11:32 DRYWALL	WALL	WHITE	INTACT	0	0.02	NEGATIVE	

02 - CLASSROOM	C	-01	223	5/13/2005 11:34 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	D	-01	224	5/13/2005 11:34 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	B	-02	222	5/13/2005 11:34 DRYWALL	COLUMN	WHITE	INTACT	0.01	0.05 NEGATIVE
02 - CLASSROOM	A	-03	220	5/13/2005 11:33 METAL	DOOR	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	B	-01	221	5/13/2005 11:33 METAL	DOOR	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	F	-02	229	5/13/2005 11:43 METAL	CEILING	RED	INTACT	5.2	2.8 POSITIVE
02 - CLASSROOM	A	-02	219	5/13/2005 11:32 WOOD	WALL	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	B	-02	227	5/13/2005 11:36 WOOD	WINDOW	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	D	-02	225	5/13/2005 11:35 WOOD	WINDOW	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	D	-03	226	5/13/2005 11:36 WOOD	WINDOW	WHITE	INTACT	0	0.02 NEGATIVE
04 - KITCHEN	E	-01	208	5/13/2005 11:25 CONCRETE	FLOOR	WHITE	INTACT	1.9	0.8 POSITIVE
04 - KITCHEN	A	-01	200	5/13/2005 11:20 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
04 - KITCHEN	B	-01	201	5/13/2005 11:21 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
04 - KITCHEN	C	-01	202	5/13/2005 11:21 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
04 - KITCHEN	C	-02	203	5/13/2005 11:22 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
04 - KITCHEN	D	-01	204	5/13/2005 11:22 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
05 - CLOSET	B	-01	210	5/13/2005 11:26 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
05 - CLOSET	D	-01	209	5/13/2005 11:26 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	A	-01	194	5/13/2005 11:16 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	B	-01	195	5/13/2005 11:17 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	C	-01	197	5/13/2005 11:18 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	D	-01	196	5/13/2005 11:17 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	A	-02	198	5/13/2005 11:18 WOOD	WINDOW	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	E	-01	199	5/13/2005 11:19 WOOD	FLOOR	WHITE	INTACT	1.9	0.7 Positive
08 - BATHROOM	A	-01	214	5/13/2005 11:29 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
08 - BATHROOM	D	-01	213	5/13/2005 11:29 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
09 - BATHROOM	B	-01	215	5/13/2005 11:30 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
09 - BATHROOM	C	-01	216	5/13/2005 11:30 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
10 - HALL	B	-01	211	5/13/2005 11:27 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
10 - HALL	B	-02	212	5/13/2005 11:28 METAL	DOOR	WHITE	INTACT	0	0.02 NEGATIVE
10 - HALL	B	-03	217	5/13/2005 11:31 WOOD	DOOR	WHITE	INTACT	0	0.02 NEGATIVE
11 - Exterior	A	-01	233	5/13/2005 11:57 CONCRETE	WALL	WHITE	FAIR	3.5	2.4 POSITIVE
11 - Exterior	C	-03	232	5/13/2005 11:51 CONCRETE	WALL	WHITE	FAIR	4.8	3.6 POSITIVE
11 - Exterior	C	-01	230	5/13/2005 11:50 METAL	WALL	RED	INTACT	0	0.02 NEGATIVE
11 - Exterior	C	-04	235	5/13/2005 12:02 WOOD	WALL		PEELING	-0.74	1.72 NEGATIVE
11 - Exterior	C	-02	231	5/13/2005 11:50 WOOD	WALL	BROWN	INTACT	0	0.02 NEGATIVE
11 - Exterior	C	-03	234	5/13/2005 12:02 WOOD	WALL		PEELING	0	0.04
11 - Exterior	D	-01	236	5/13/2005 12:03 WOOD	WALL		PEELING	0	0.02 NEGATIVE



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

NOAA Pribilof Project Office
7600 Sand Point Way NE
Seattle, WA 98115-

Project Location: NOAA Pribilof Islands
Property Transfer

PAI Batch Number: 05-1143
Client Job Number:
Number of Samples: 98
Turn Around Time: 5 day

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006093	
Client Sample Number: 01-02-01	NOAA Pribilof Islands Property Transfer

L-1 Pale gray and white mosaic opaque sheet vinyl tile material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Plastic Particles
10% Vinyl Filler and Binder

Comments:

L-2 Pale tan fibrous papery backing

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
45% Cellulose
40% Polyurethane
10% Glass Fiber

Non-Fibrous Components:
5% Mineral Fragments

Comments:

L-3 Golden orange opaque mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Resin and Binder
10% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109

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Bulk Asbestos Fiber Analysis

L-4 Off-white, orange, and yellow opaque vinyl tile material

Asbestos Fibrous Components:
2% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
65% Calcite Filler and Binder
30% Mineral Filler and Binder
3% Vinyl Filler and Binder

Comments:

L-5 Yellow resinous mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
97% Resin and Binder
3% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006094

NOAA Pribilof Islands
Property Transfer

Client Sample Number: 01-02-02

L-1 Pale gray and gray opaque sheet vinyl tile material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
95% Plastic Particles
5% Vinyl Filler and Binder

Comments:

L-2 Yellow and gray fibrous backing

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
40% Polyurethane
10% Glass Fiber
5% Cellulose

Non-Fibrous Components:
45% Filler and Binder

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

5/18/2005

5/20/2005

Deitrie Hanson

Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 White opaque pliable thick mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

85% Resin and Binder

12% Calcite Filler and Binder

3% Mineral Fragments

Comments:

L-4 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006095	
Client Sample Number:	01-02-03	NOAA Pribilof Islands Property Transfer

L-1 White paint on yellow paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

L-2 Pale green paint on green paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005

5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 **Gray hard cementitious material with white fibers**

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
25% Chrysotile		70% Mineral Filler and Binder
		5% Talc Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006096	
Client Sample Number:	01-02-04	<i>NOAA Pribilof Islands Property Transfer</i>

Dark golden tan opaque pliable mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		98% Resin and Binder
		2% Paint

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006097	
Client Sample Number:	01-02-05	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 **White paint on beige paint**

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-2 Pale green paint on tan opaque pliable mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

80% Resin and Binder

15% Paint

5% Mineral Fragments

Comments:

The tan mastic was ashed and no asbestos fibers were detected.

Batch Number: 05-1143
Lab Sample Number: 05006098
Client Sample Number: **01-03-01**

NOAA Pribilof Project Office

*NOAA Pribilof Islands
Property Transfer*

L-1 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

85% Calcite Filler and Binder

12% Vermiculite

3% Mineral Fragments

Comments:

L-3 Green paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005

5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-4 Brown paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-5 Tan papery material on brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
95% Cellulose

Non-Fibrous Components:
3% Resin and Binder
2% Mineral Fragments

Comments:

L-6 White powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Cellulose

Non-Fibrous Components:
80% Talc Filler and Binder
5% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006099
Client Sample Number: **01-03-02**

NOAA Pribilof Project Office

*NOAA Pribilof Islands
Property Transfer*

L-1 Blue fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
98% Synthetic

Non-Fibrous Components:
2% Mineral Granules

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



NVLAP LAB CODE 200613-0



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Bulk Asbestos Fiber Analysis

L-2 Pale gray opaque pliable material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Plastic Particles
5% Calcite Filler and Binder
5% Miscellaneous Particles

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006100
Client Sample Number: **01-04-01**

NOAA Pribilof Project Office

*NOAA Pribilof Islands
Property Transfer*

L-1 White paint on white crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

60% Calcite Filler and Binder
20% Perlite
5% Vermiculite
5% Mineral Fragments

Comments:

L-2 Pale gray paint on green paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

L-3 Beige paint on pale green paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005


Analyzed By: Deitrie Hanson

5/20/2005



NVLAP LAB CODE 200613-0



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Bulk Asbestos Fiber Analysis

L-4 White crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

92% Calcite Filler and Binder

5% Mineral Fragments

3% Vinyl Filler and Binder

Comments:

L-5 Tan and brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

97% Cellulose

Non-Fibrous Components:

3% Filler and Binder

Comments:

L-6 White powdery material with brown splinters

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

15% Cellulose

Non-Fibrous Components:

80% Talc Filler and Binder

5% Filler and Binder

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006101

Client Sample Number: **01-05-01**

*NOAA Pribilof Islands
Property Transfer*

L-1 Tan, orange, and gray thick vinyl tile material

Asbestos Fibrous Components:
3% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

82% Calcite Filler and Binder

8% Vinyl Filler and Binder

5% Plastic Particles

2% Filler and Binder

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

5/18/2005

5/20/2005

Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
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Bulk Asbestos Fiber Analysis

L-2 Transparent sticky mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
99% Resin and Binder
1% Mineral Fragments

Comments:

L-3 Dark orange and beige opaque pliable material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Resin and Binder
7% Paint
3% Mineral Fragments

Comments:

L-4 Tan and brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

L-5 White powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Cellulose

Non-Fibrous Components:
80% Talc Filler and Binder
5% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006102
Client Sample Number: **01-05-02**

NOAA Pribilof Project Office

*NOAA Pribilof Islands
Property Transfer*

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
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Bulk Asbestos Fiber Analysis

L-1 Pale beige, dark orange, and gray thick vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
3% Chrysotile		82% Calcite Filler and Binder
		8% Vinyl Filler and Binder
		5% Plastic Particles
		2% Filler and Binder

Comments:

L-2 Transparent sticky mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		92% Resin and Binder
		5% Mineral Fragments
		3% Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006103	
Client Sample Number: 01-06-01	NOAA Pribilof Islands Property Transfer

L-1 Dull gray paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	3% Cellulose	92% Calcite Filler and Binder
		5% Vermiculite

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
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Bulk Asbestos Fiber Analysis

L-3 Pale green paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-4 Tan and brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

L-5 White powdery fibrous material with brown splinters

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
25% Cellulose

Non-Fibrous Components:
70% Talc Filler and Binder
5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006104	
Client Sample Number:	01-06-02	NOAA Pribilof Islands Property Transfer

L-1 Dark gray, gray, and white long fibers

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
90% Synthetic

Non-Fibrous Components:
5% Rocks
5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Analyzed By: Deitrie Hanson

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Bulk Asbestos Fiber Analysis

L-2 Off-white thick granular material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Vinyl Filler and Binder

Comments:

L-3 White pliable material on brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	40% Cellulose	55% Plastic Particles
		3% Filler and Binder
		2% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006105	
Client Sample Number:	01-07-01	NOAA Pribilof Islands Property Transfer

L-1 White and dark reddish brown opaque pliable sheet vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Vinyl Filler and Binder

Comments:

L-2 Tan fibrous papery backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	65% Cellulose	30% Filler and Binder
		5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-3 Dark orange mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

92% Resin and Binder

5% Mineral Fragments

3% Filler and Binder

Comments:

L-4 White powdery crystalline material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

97% Talc Filler and Binder

3% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006106

Client Sample Number: **01-07-02**

*NOAA Pribilof Islands
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L-1 White hard brittle material with brown streaks

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Plastic Particles

10% Vinyl Filler and Binder

Comments:

L-2 Brown opaque thick backing

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

35% Asphalt Filler and Binder

5% Mineral Fragments

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-3 Red resinous sticky mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Mineral Particles

Comments:

L-4 Orange wooden splinter material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Resin and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006107	
Client Sample Number: 01-08-01	NOAA Pribilof Islands Property Transfer

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Pale beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-3 Deep beige paint on pale green and gray paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-4 Orange and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-5 White powdery material with brown splinters

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	12% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments
		3% Filler and Binder

Comments:

L-6 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006108	
Client Sample Number:	01-10-01	NOAA Pribilof Islands Property Transfer

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Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-1 Gray opaque twisted woven fiber bundles

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	98% Synthetic	2% Mineral Particles

Comments:

L-2 Beige opaque pliable mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Mineral Fragments

Comments:

L-3 White flat woven fiber bundles

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Plastic Particles
		5% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006109	
Client Sample Number:	01-11-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

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Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-2 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006110	
Client Sample Number: 01-12-01	NOAA Pribilof Islands Property Transfer

L-1 Golden beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Silver metallic sheeting material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Metal

Comments:

L-3 Pale beige fibrous twisted fiber bundles

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	98% Cotton	2% Mineral Filler and Binder

Comments:

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Bulk Asbestos Fiber Analysis

L-4 Pale gray fibrous backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
12% Chrysotile	20% Cellulose	56% Talc Filler and Binder
		10% Diatoms
		2% Miscellaneous Particles

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006111	
Client Sample Number:	01-12-02	NOAA Pribilof Islands Property Transfer

L-1 Dark orange and beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Silver thick metallic material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-3 Beige powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
12% Chrysotile	20% Cellulose	56% Talc Filler and Binder
		10% Diatoms
		2% Miscellaneous Particles

Comments:

Sampled By: Greg Gervais
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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006112	
Client Sample Number:	01-14-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Dull brown opaque woven fiber bundles

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	98% Cotton	2% Mineral Fragments

Comments:

L-2 Pale grayish white and black opaque fibrous curly material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Synthetic	1% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006113	
Client Sample Number:	02-01-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Pale gray paint on beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Yellow paint on beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
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Bulk Asbestos Fiber Analysis

L-3 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006114	
Client Sample Number:	02-02-01	NOAA Pribilof Islands Property Transfer

L-1 White opaque textured pliable mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Calcite Filler and Binder

Comments:

L-2 Pale beige paint on pink paint on pale blue paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

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Bulk Asbestos Fiber Analysis

L-3 Pale green paint on beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-4 Dark orange resinous mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		97% Resin and Binder
		3% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006115	
Client Sample Number:	02-02-02	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Dark orange pliable mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	5% Cellulose	90% Resin and Binder
		5% Mineral Fragments

Comments:

L-2 Pale pink, violet, and white mosaic opaque pliable sheet vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Vinyl Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-3 Pale tan fibrous papery backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	55% Cellulose	40% Filler and Binder
	5% Glass Fiber	

Comments:

L-4 Golden tan opaque mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Resin and Binder
		5% Mineral Fragments

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006116	
Client Sample Number: 02-02-03	NOAA Pribilof Islands Property Transfer

L-1 White paint on deep beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Pale beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

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Bulk Asbestos Fiber Analysis

L-3 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 White fine powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	25% Cellulose	70% Talc Filler and Binder
		5% Mineral Fragments

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006117	
Client Sample Number: 02-03-01	NOAA Pribilof Islands Property Transfer

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

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Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-2 Pale beige fine crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
92% Calcite Filler and Binder
5% Vermiculite
3% Mineral Fragments

Comments:

L-3 Dark pink paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-4 Brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
99% Cellulose

Non-Fibrous Components:
1% Filler and Binder

Comments:

L-5 White powdery fibrous material with wooden splinters

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
40% Cellulose

Non-Fibrous Components:
55% Talc Filler and Binder
5% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006118
Client Sample Number: **02-04-01**

NOAA Pribilof Project Office

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Bulk Asbestos Fiber Analysis

L-1 Pale periwinkle paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		88% Calcite Filler and Binder
		10% Vermiculite
		2% Mineral Fragments

Comments:

L-3 Pale beige paint on pale green paint on dark green paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-4 Beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

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Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-6 White powdery fibrous material with brown wooden splinter material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006119	
Client Sample Number:	02-05-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Pale beige and dark orange streaked hard vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
3% Chrysotile		65% Calcite Filler and Binder
		25% Vinyl Filler and Binder
		6% Mineral Fragments
		1% Lizardite

Comments:

L-2 Transparent resinous mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		97% Resin and Binder
		3% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006120	
Client Sample Number:	02-07-01	<i>NOAA Pribilof Islands Property Transfer</i>

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Received By: Anthony Dean
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Bulk Asbestos Fiber Analysis

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Pale orange fibrous opaque material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006121	
Client Sample Number: 02-07-02	NOAA Pribilof Islands Property Transfer

L-1 Pale gray and white thin brittle vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		65% Calcite Filler and Binder
		30% Mineral Filler and Binder
		5% Vinyl Filler and Binder

Comments:

L-2 Transparent resinous sticky mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Resin and Binder
		3% Plant Debris
		2% Mineral Fragments

Comments:

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Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006122	
Client Sample Number:	02-10-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Pale periwinkle-white paint on pink paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Orange and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-3 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	12% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments
		3% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006123	
Client Sample Number:	03-01-01	<i>NOAA Pribilof Islands Property Transfer</i>

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Received By: Anthony Dean
Reviewed By: George McCaslin

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Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-1 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Calcite Filler and Binder
		5% Mineral Fragments

Comments:

L-2 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-3 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006124	
Client Sample Number: 03-01-02	NOAA Pribilof Islands Property Transfer

L-1 Pale gray pliable rubbery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Rubber Particles
		10% Calcite Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Bulk Asbestos Fiber Analysis

L-2 Golden orange opaque mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
96% Resin and Binder
4% Mineral Fragments

Comments:

L-3 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-4 White crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
98% Calcite Filler and Binder
2% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006125
Client Sample Number: **03-01-03**

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L-1 Off-white opaque sheet vinyl tile material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Plastic Particles
10% Vinyl Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-2 Pale gray fibrous papery backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	60% Cellulose	35% Filler and Binder
		5% Mineral Fragments

Comments:

L-3 Golden orange opaque mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Calcite Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006126	
Client Sample Number: 03-01-04	NOAA Pribilof Islands Property Transfer

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Calcite Filler and Binder
		5% Mineral Fragments
		5% Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-3 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 White powdery fibrous material with brown splinters

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	20% Cellulose	70% Talc Filler and Binder
		10% Mineral Fragments

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006127	
Client Sample Number: 03-08-01	NOAA Pribilof Islands Property Transfer

L-1 White paint on deep beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-2 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-3 White powdery fibrous material with wooden splinter material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

L-4 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006128	
Client Sample Number: 03-10-01	NOAA Pribilof Islands Property Transfer

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

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Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-2 Off-white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Calcite Filler and Binder
		5% Perlite
		5% Vermiculite

Comments:

L-3 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 White fine powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	12% Cellulose	88% Talc Filler and Binder

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006129	
Client Sample Number:	03-12-01	NOAA Pribilof Islands Property Transfer

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Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-1 Black pliable rubbery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Rubber Particles
10% Calcite Filler and Binder

Comments:

L-2 Golden tan opaque mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
95% Resin and Binder
5% Mineral Fragments

Comments:

L-3 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-4 White crystalline powdery flaky material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
92% Calcite Filler and Binder
5% Perlite
3% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006130
Client Sample Number: **03-13-01**

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Bulk Asbestos Fiber Analysis

L-1 White paint on beige paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Dark green paint on dark gray paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-3 Orange fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder 5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006131	
Client Sample Number:	03-14-01	NOAA Pribilof Islands Property Transfer

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Bulk Asbestos Fiber Analysis

L-1 Gray paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Beige opaque thick pliable rubbery mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Resin and Binder
10% Calcite Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006132	
Client Sample Number:	03-14-02	<i>NOAA Pribilof Islands Property Transfer</i>

Dark gray and black fibrous opaque material with black fine powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
93% Glass Fiber

Non-Fibrous Components:
4% Mineral Particles
3% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006133	
Client Sample Number:	04-02-01	<i>NOAA Pribilof Islands Property Transfer</i>

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Bulk Asbestos Fiber Analysis

L-1 Pale beige opaque pliable rubbery sheet vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Vinyl Filler and Binder

Comments:

L-2 Pale gray fibrous papery backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	60% Cellulose	30% Filler and Binder
	10% Glass Fiber	

Comments:

L-3 Orange resinous mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Mineral Fragments

Comments:

L-4 Black and brown hard granular powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		85% Sand
		12% Asphalt Filler and Binder
		3% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006134	
Client Sample Number:	04-02-02	NOAA Pribilof Islands Property Transfer

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Bulk Asbestos Fiber Analysis

L-1 White paint on periwinkle paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 White powdery crystalline material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		92% Calcite Filler and Binder
		5% Vermiculite
		3% Mineral Fragments

Comments:

L-3 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006135	
Client Sample Number:	04-02-03	NOAA Pribilof Islands Property Transfer

Sampled By: Greg Gervais
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Bulk Asbestos Fiber Analysis

L-1 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Black asphaltic material on white paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
60% Asphalt Filler and Binder
40% Paint

Comments:

L-3 White fine crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Calcite Filler and Binder
6% Mineral Fragments
4% Filler and Binder

Comments:

L-4 Tan and brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

L-5 White powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Cellulose

Non-Fibrous Components:
80% Talc Filler and Binder
5% Mineral Fragments

Comments:

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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006136	
Client Sample Number:	04-02-04	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 White thin hard brittle material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Paint

Comments:

L-2 Brown opaque brittle material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	70% Cellulose	25% Resin and Binder
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006137	
Client Sample Number:	04-02-05	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Dull beige opaque pliable mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		80% Resin and Binder
		15% Calcite Filler and Binder
		5% Mineral Fragments

Comments:

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Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-2 Yellow paint on white paint on green paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-3 Pale tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder 5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006138	
Client Sample Number:	04-02-06	NOAA Pribilof Islands Property Transfer

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-2 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Calcite Filler and Binder
		5% Vermiculite
		5% Mineral Fragments

Comments:

L-3 Pale tan fibrous tape-like papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-4 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Calcite Filler and Binder
		5% Vermiculite
		5% Mineral Fragments

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-6 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

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Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006139	
Client Sample Number:	04-02-07	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Off-white paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Off-white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Calcite Filler and Binder
		5% Mineral Fragments

Comments:

L-3 Pale tan fibrous tape-like papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-4 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

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Bulk Asbestos Fiber Analysis

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-6 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	12% Cellulose	85% Talc Filler and Binder 3% Mineral Fragments

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006140	
Client Sample Number: 04-02-08	NOAA Pribilof Islands Property Transfer

L-1 Silvery shiny pliable thin metallic material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Foil

Comments:

L-2 Transparent bubbly material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Plastic Particles

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-3 Silvery shiny pliable thin metallic material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Foil

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006141	
Client Sample Number:	04-02-09	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Dull pale brown fibrous opaque material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	45% Cellulose	10% Perlite
	40% Mineral Wool	5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006142	
Client Sample Number:	04-02-10	<i>NOAA Pribilof Islands Property Transfer</i>

Sampled By: Greg Gervais
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Bulk Asbestos Fiber Analysis

White opaque thick fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Glass Fiber

Non-Fibrous Components:
80% Plastic Particles
5% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006143
Client Sample Number: **04-02-11**

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Property Transfer*

L-1 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Pale brown opaque fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
55% Cellulose
40% Mineral Wool

Non-Fibrous Components:
5% Perlite

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006144
Client Sample Number: **04-03-01**

NOAA Pribilof Project Office

*NOAA Pribilof Islands
Property Transfer*

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005


Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

Gray pliable thick rubbery strip material on transparent sticky resinous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	10% Cotton	70% Rubber Particles
		20% Resin and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006145	
Client Sample Number: 04-03-02	NOAA Pribilof Islands Property Transfer

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		92% Calcite Filler and Binder
		5% Vermiculite
		3% Mineral Fragments

Comments:

L-3 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006146	
Client Sample Number:	04-03-03	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Dull pale gray and white paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		92% Calcite Filler and Binder
		5% Vermiculite
		3% Mineral Fragments

Comments:

L-3 White paint on dark green paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Bulk Asbestos Fiber Analysis

L-4 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	98% Cellulose	2% Filler and Binder

Comments:

L-5 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Glass Fiber 5% Cellulose	80% Talc Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006147	
Client Sample Number: 04-03-04	NOAA Pribilof Islands Property Transfer

L-1 White and blue papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-2 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	95% Cellulose	3% Filler and Binder 2% Mineral Fragments

Comments:

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Bulk Asbestos Fiber Analysis

L-3 Pale pinkish white powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	12% Cellulose	85% Talc Filler and Binder
	3% Glass Fiber	

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006148	
Client Sample Number:	04-04-01	<i>NOAA Pribilof Islands Property Transfer</i>

Beige opaque pliable rubbery mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Calcite Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006149	
Client Sample Number:	04-04-02	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 White opaque pliable sheet vinyl tile material with gray spots

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Plastic Particles
		5% Vinyl Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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5/20/2005



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Bulk Asbestos Fiber Analysis

L-2 Pale gray fibrous backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	60% Cellulose	30% Filler and Binder
		5% Mineral Fragments
		5% Filler and Binder

Comments:

L-3 Golden dark tan opaque mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Resin and Binder
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006150	
Client Sample Number:	04-04-03	NOAA Pribilof Islands Property Transfer

L-1 White opaque sheet vinyl tile material with gray flecks

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Vinyl Filler and Binder

Comments:

L-2 Pale grayish white fibrous backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	55% Cellulose	40% Filler and Binder
	5% Glass Fiber	

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005

5/20/2005

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5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 Golden tan opaque mastic on dark red and black rocks

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

70% Resin and Binder

25% Rocks

5% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006151
Client Sample Number: **04-04-04**

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L-1 White rubbery material on off-white brittle material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

80% Miscellaneous Particles

15% Rubber Particles

5% Mineral Fragments

Comments:

L-2 Brown opaque pliable material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

30% Resin and Binder

5% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006152
Client Sample Number: **04-04-05**

NOAA Pribilof Project Office

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Bulk Asbestos Fiber Analysis

L-1 White opaque rubbery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Rubber Particles
		10% Calcite Filler and Binder

Comments:

L-2 Pale beige brittle material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Miscellaneous Particles
		5% Paint

Comments:

L-3 Brown opaque brittle material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	60% Cellulose	35% Resin and Binder
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006153	
Client Sample Number:	04-04-06	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

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Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-2 Off-white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Calcite Filler and Binder
		5% Perlite
		5% Mineral Fragments

Comments:

L-3 Pale tan fibrous tape-like papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-4 Off-white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Calcite Filler and Binder
		6% Talc Filler and Binder
		4% Mineral Fragments

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-6 Pale pinkish white powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	12% Cellulose	85% Talc Filler and Binder
		3% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006154	
Client Sample Number:	04-04-07	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Off-white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		92% Calcite Filler and Binder
		5% Vermiculite
		3% Mineral Fragments

Comments:

L-3 Pale tan fibrous tape-like papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-4 Off-white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Calcite Filler and Binder
		5% Vermiculite
		5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Deitrie Hanson
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5/20/2005



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Bulk Asbestos Fiber Analysis

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-6 Pale pinkish white powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Glass Fiber	80% Talc Filler and Binder
	5% Cellulose	

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006155	
Client Sample Number: 04-04-08	NOAA Pribilof Islands Property Transfer

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

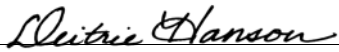
L-2 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		85% Calcite Filler and Binder
		12% Mineral Filler and Binder
		3% Vermiculite

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Analyzed By: Deitrie Hanson

5/20/2005



NVLAP LAB CODE 200613-0



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Bulk Asbestos Fiber Analysis

L-3 Pale tan fibrous tape-like material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

L-4 White crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
92% Calcite Filler and Binder
5% Mineral Fragments
3% Filler and Binder

Comments:

L-5 Tan and brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
99% Cellulose

Non-Fibrous Components:
1% Filler and Binder

Comments:

L-6 Pale pinkish white powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Glass Fiber

Non-Fibrous Components:
80% Talc Filler and Binder
5% Filler and Binder

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006156

Client Sample Number: **04-05-01**

*NOAA Pribilof Islands
Property Transfer*

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

5/18/2005

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Deitrie Hanson

Analyzed By: Deitrie Hanson

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Bulk Asbestos Fiber Analysis

L-1 Silvery gray lustrous thin rubbery pliable material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

94% Rubber Particles
5% Resin and Binder
1% Mineral Fragments

Comments:

L-2 Yellow resinous mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

98% Resin and Binder
2% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006157

NOAA Pribilof Islands
Property Transfer

Client Sample Number: **04-05-02**

L-1 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Calcite Filler and Binder
10% Mineral Fragments

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

5/18/2005

Reviewed By: George McCaslin

5/20/2005

Deitrie Hanson

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5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Glass Fiber 5% Cellulose	80% Talc Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006158	
Client Sample Number: 04-06-01	NOAA Pribilof Islands Property Transfer

L-1 Gray and white curly fiber bundles

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	98% Synthetic	2% Resin and Binder

Comments:

L-2 Dark tan opaque foam-like material on tan mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		85% Rubber Particles 12% Resin and Binder 3% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006159	
Client Sample Number:	04-06-02	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Off-white paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-3 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder 5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006160	
Client Sample Number:	04-08-01	<i>NOAA Pribilof Islands Property Transfer</i>

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Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-1 Pale beige, tan, and white opaque pliable sheet vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Vinyl Filler and Binder

Comments:

L-2 Pale gray fibrous backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	45% Cellulose	40% Filler and Binder
	10% Glass Fiber	5% Mineral Fragments

Comments:

L-3 Yellow resinous mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Resin and Binder
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006161	
Client Sample Number:	04-10-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Silvery gray lustrous pliable thin rubbery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Rubber Particles
		5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

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5/20/2005



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Bulk Asbestos Fiber Analysis

L-2 Off-white resinous opaque mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Calcite Filler and Binder

Comments:

L-3 Black opaque rubbery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Rubber Particles
		10% Calcite Filler and Binder

Comments:

L-4 Off-white dull mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		95% Resin and Binder
		5% Mineral Fragments

Comments:

L-5 White paint on pale bluish white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		55% Calcite Filler and Binder
		40% Paint
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006162	
Client Sample Number:	04-11-01	NOAA Pribilof Islands Property Transfer

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-1 Dull brown opaque fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

95% Plant Debris
5% Mineral Fragments

Comments:

L-2 Red hard granular material with white fibers

Asbestos Fibrous Components:
20% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

45% Mineral Filler and Binder
20% Clay Filler and Binder
10% Talc Filler and Binder
5% Miscellaneous Particles

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006163

*NOAA Pribilof Islands
Property Transfer*

Client Sample Number: **05-01-01**

L-1 Off-white opaque pliable rubbery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Rubber Particles
10% Calcite Filler and Binder

Comments:

L-2 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

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5/20/2005



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Bulk Asbestos Fiber Analysis

L-3 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006164	
Client Sample Number:	05-01-02	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Dark reddish orange hard tile material with red streaks

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		45% Calcite Filler and Binder
		40% Mineral Filler and Binder
		10% Vinyl Filler and Binder
		5% Miscellaneous Particles

Comments:

L-2 Tan resinous opaque mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		97% Resin and Binder
		3% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006165	
Client Sample Number:	05-02-01	<i>NOAA Pribilof Islands Property Transfer</i>

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



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Bulk Asbestos Fiber Analysis

L-1 Off-white paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Off-white crystalline powdery flaky material

Asbestos Fibrous Components:
<1% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
85% Calcite Filler and Binder
12% Vermiculite
>2% Mineral Filler and Binder

Comments:

This layer contains <1% chrysotile asbestos.

L-3 Pale tan fibrous tape-like papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

L-4 Off-white crystalline powdery flaky material

Asbestos Fibrous Components:
<1% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
85% Calcite Filler and Binder
12% Vermiculite
>2% Mineral Fragments

Comments:

This layer contains <1% chrysotile asbestos.

L-5 Brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
99% Cellulose

Non-Fibrous Components:
1% Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
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Bulk Asbestos Fiber Analysis

L-6 White powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Cellulose

Non-Fibrous Components:
80% Talc Filler and Binder
5% Mineral Fragments

Comments:

Batch Number: 05-1143
Lab Sample Number: 05006166
Client Sample Number: **05-03-01**

NOAA Pribilof Project Office

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L-1 Off-white paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Off-white crystalline powdery material

Asbestos Fibrous Components:
<1% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
92% Calcite Filler and Binder
5% Mineral Fragments
>2% Vermiculite

Comments:

L-3 Pale tan fibrous tape-like papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-4 Off-white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
<1% Chrysotile		92% Calcite Filler and Binder
		5% Vermiculite
		>2% Mineral Fragments

Comments:

This layer contains <1% chrysotile asbestos.

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-6 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

L-7 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006167	
Client Sample Number:	05-04-01	NOAA Pribilof Islands Property Transfer

Sampled By: Greg Gervais

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Bulk Asbestos Fiber Analysis

L-1 Red opaque pliable sheet vinyl tile material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Plastic Particles

10% Vinyl Filler and Binder

Comments:

L-2 Black asphaltic fibrous papery backing

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
60% Cellulose

Non-Fibrous Components:

35% Asphalt Filler and Binder

5% Mineral Fragments

Comments:

L-3 Dark brown opaque brittle mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Resin and Binder

6% Mineral Fragments

4% Filler and Binder

Comments:

L-4 Dark golden orange resinous mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

99% Resin and Binder

1% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006168

Client Sample Number: **05-04-02**

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Bulk Asbestos Fiber Analysis

L-1 Off-white paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Pale beige crystalline powdery material

Asbestos Fibrous Components:
<1% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
93% Calcite Filler and Binder
>6% Mineral Fragments

Comments:

This layer contains <1% chrysotile asbestos.

L-3 Pale tan fibrous tape-like papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

L-4 Pale beige crystalline powdery material

Asbestos Fibrous Components:
<1% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
93% Calcite Filler and Binder
4% Mineral Fragments
>2% Vermiculite

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
99% Cellulose

Non-Fibrous Components:
1% Filler and Binder

Comments:

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Bulk Asbestos Fiber Analysis

L-6 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006169	
Client Sample Number:	05-06-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Dull tan hard tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		45% Mineral Filler and Binder
		40% Calcite Filler and Binder
		10% Vinyl Filler and Binder
		5% Mineral Fragments

Comments:

L-2 Yellow mastic on black powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		5% Miscellaneous Particles
		5% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006170	
Client Sample Number:	05-06-02	<i>NOAA Pribilof Islands Property Transfer</i>

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Bulk Asbestos Fiber Analysis

L-1 Tan shiny opaque mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

92% Resin and Binder

8% Mineral Fragments

Comments:

L-2 Dull orange opaque mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

80% Resin and Binder

20% Calcite Filler and Binder

Comments:

L-3 Dull pale brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
99% Cellulose

Non-Fibrous Components:
1% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006171	
Client Sample Number:	05-07-01	NOAA Pribilof Islands Property Transfer

L-1 Pale beige paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

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Bulk Asbestos Fiber Analysis

L-2 Pale beige crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
<1% Chrysotile		93% Calcite Filler and Binder
		4% Vermiculite
		>2% Mineral Fragments

Comments:

This layer contains <1% chrysotile asbestos.

L-3 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006172	
Client Sample Number: 05-08-01	NOAA Pribilof Islands Property Transfer

L-1 Dull black hard tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
3% Chrysotile		55% Mineral Filler and Binder
		40% Calcite Filler and Binder
		2% Lizardite

Comments:

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Bulk Asbestos Fiber Analysis

L-2 Black resinous mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
98% Asphalt Filler and Binder
2% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006173

*NOAA Pribilof Islands
Property Transfer*

Client Sample Number: **05-08-02**

L-1 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Black thick pliable rubbery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Rubber Particles
10% Calcite Filler and Binder

Comments:

L-3 Black mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
92% Asphalt Filler and Binder
5% Mineral Fragments
3% Filler and Binder

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

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Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-4 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-5 Off-white crystalline powdery material

Asbestos Fibrous Components:
<1% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
80% Calcite Filler and Binder
12% Vermiculite
5% Mineral Fragments
>2% Talc Filler and Binder

Comments:

This layer contains <1% chrysotile asbestos.

Batch Number: 05-1143
Lab Sample Number: 05006174
Client Sample Number: **05-08-03**

NOAA Pribilof Project Office

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L-1 Off-white paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

L-2 Deep beige paint on dark green paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

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Received By: Anthony Dean
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Bulk Asbestos Fiber Analysis

L-3 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-4 Pale gray powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006175	
Client Sample Number:	05-09-01	NOAA Pribilof Islands Property Transfer

L-1 Pale grayish white opaque sheet vinyl tile material with gray swirls

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Vinyl Filler and Binder

Comments:

L-2 Pale gray fibrous backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	65% Cellulose	30% Filler and Binder
	5% Glass Fiber	

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Bulk Asbestos Fiber Analysis

L-3 Golden tan opaque mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Resin and Binder

10% Mineral Fragments

Comments:

L-4 Tan wooden splinter material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

3% Resin and Binder

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006176

Client Sample Number: **05-11-01**

*NOAA Pribilof Islands
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L-1 Dull pink paint on red paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

100% Paint

Comments:

L-2 Off-white crystalline powdery material

Asbestos Fibrous Components:
<1% Chrysotile

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

92% Calcite Filler and Binder

5% Vermiculite

>2% Mineral Fragments

Comments:

This layer contains <1% chrysotile asbestos overall.

Sampled By: Greg Gervais

Received By: Anthony Dean

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Reviewed By: George McCaslin

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Bulk Asbestos Fiber Analysis

L-3 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006177	
Client Sample Number: 05-13-01	NOAA Pribilof Islands Property Transfer

L-1 Dull silvery gray pliable thin rubbery material on white woven fiber bundles

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	40% Cotton	55% Rubber Particles
		5% Mineral Fragments

Comments:

L-2 Gray opaque sticky mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		8% Mineral Fragments
		2% Filler and Binder

Comments:

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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006178	
Client Sample Number:	05-14-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-2 Dull brown powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	12% Glass Fiber	85% Talc Filler and Binder
		3% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006179	
Client Sample Number:	05-14-02	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Dull white hard crystalline textured material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	10% Wollastonite	50% Resin and Binder
		35% Gypsum Filler and Binder
		5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
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Bulk Asbestos Fiber Analysis

L-2 Gray paint on pink paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

98% Paint

2% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006180

*NOAA Pribilof Islands
Property Transfer*

Client Sample Number: **05-17-01**

L-1 Dark pink paint on white fine powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

65% Paint

30% Calcite Filler and Binder

5% Talc Filler and Binder

Comments:

L-2 Tan and brown fibrous papery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

L-3 White powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Cellulose

Non-Fibrous Components:
80% Talc Filler and Binder
5% Mineral Fragments

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

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Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006181	
Client Sample Number:	05-18-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 Yellow opaque smooth brittle foam-like material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	100% Polyurethane	

Comments:

L-2 Silver pliable metallic sheeting material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Metal

Comments:

L-3 Dark tan opaque thick foam-like material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Rubber Particles
		5% Mineral Fragments
		5% Filler and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006182	
Client Sample Number:	05-19-01	<i>NOAA Pribilof Islands Property Transfer</i>

Sampled By: Greg Gervais
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Bulk Asbestos Fiber Analysis

Black and dark gray opaque fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
95% Mineral Wool

Non-Fibrous Components:
3% Resin and Binder
2% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006183

*NOAA Pribilof Islands
Property Transfer*

Client Sample Number: **05-20-01**

L-1 White paint on dull blue thick pliable rubbery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
90% Rubber Particles
6% Calcite Filler and Binder
4% Paint

Comments:

L-2 Golden tan opaque mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
97% Resin and Binder
3% Mineral Fragments

Comments:

L-3 White paint

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
100% Paint

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

5/18/2005

Reviewed By: George McCaslin

5/20/2005

Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-4 Off-white crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
<1% Chrysotile		80% Calcite Filler and Binder
		15% Mineral Fragments
		>4% Mineral Fragments

Comments:

L-5 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006184	
Client Sample Number: 11-05-01	NOAA Pribilof Islands Property Transfer

L-1 Dull tan opaque pliable mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		10% Calcite Filler and Binder

Comments:

L-2 Pale green and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



NVLAP LAB CODE 200613-0



330 6th Ave. North, Suite 200 Seattle, WA 98109

OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-3 White powdery fibrous material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
15% Cellulose

Non-Fibrous Components:
80% Talc Filler and Binder
5% Mineral Fragments

Comments:

Batch Number: 05-1143

NOAA Pribilof Project Office

Lab Sample Number: 05006185

*NOAA Pribilof Islands
Property Transfer*

Client Sample Number: **11-05-02**

L-1 White crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
85% Calcite Filler and Binder
10% Mineral Fragments
5% Filler and Binder

Comments:

L-2 Pale yellowish white fibrous tape-like material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
97% Cellulose

Non-Fibrous Components:
3% Filler and Binder

Comments:

L-3 White crystalline powdery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:
92% Calcite Filler and Binder
5% Vermiculite
3% Mineral Fragments

Comments:

Sampled By: Greg Gervais

Received By: Anthony Dean

5/18/2005

Reviewed By: George McCaslin

5/20/2005

Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-4 Brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	99% Cellulose	1% Filler and Binder

Comments:

L-5 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Batch Number: 05-1143	NOAA Pribilof Project Office
Lab Sample Number: 05006186	
Client Sample Number: 12-03-01	NOAA Pribilof Islands Property Transfer

L-1 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-2 Pale pinkish white powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006187	
Client Sample Number:	12-04-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 White paint

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		100% Paint

Comments:

L-2 White crystalline powdery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		85% Calcite Filler and Binder
		10% Talc Filler and Binder
		5% Vermiculite

Comments:

L-3 Tan and brown fibrous papery material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	97% Cellulose	3% Filler and Binder

Comments:

L-4 White powdery fibrous material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Talc Filler and Binder
		5% Mineral Fragments

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006188	
Client Sample Number:	12-06-01	<i>NOAA Pribilof Islands Property Transfer</i>

L-1 White and pale pink opaque sheet vinyl tile material

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Plastic Particles
		10% Vinyl Filler and Binder

Comments:

L-2 Tan granular fibrous backing

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	12% Glass Fiber	45% Calcite Filler and Binder
		40% Filler and Binder
		3% Mineral Particles

Comments:

L-3 Tan opaque mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected		90% Resin and Binder
		5% Mineral Fragments
		3% Insect Parts
		2% Mineral Fragments

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006189	
Client Sample Number:	12-06-02	<i>NOAA Pribilof Islands Property Transfer</i>

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005



330 6th Ave. North, Suite 200 Seattle, WA 98109
OFFICE: (206) 281-8858 FAX: (206) 281-8922

Bulk Asbestos Fiber Analysis

L-1 Off-white opaque pliable rubbery material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Rubber Particles
8% Mineral Fragments
2% Rocks

Comments:

L-2 Pale grayish white opaque sheet vinyl tile material

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

90% Plastic Particles
10% Vinyl Filler and Binder

Comments:

L-3 Pale gray fibrous backing on tan mastic

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
65% Cellulose

Non-Fibrous Components:

30% Filler and Binder
5% Resin and Binder

Comments:

Batch Number:	05-1143	NOAA Pribilof Project Office
Lab Sample Number:	05006190	
Client Sample Number:	12-07-01	<i>NOAA Pribilof Islands Property Transfer</i>

White hard brittle material with transparent straight fibers

Asbestos Fibrous Components:
No Asbestos Detected

Non-Asbestos Fibrous Components:
12% Glass Fiber

Non-Fibrous Components:

83% Plastic Particles
5% Mineral Particles

Comments:

Sampled By: Greg Gervais
Received By: Anthony Dean
Reviewed By: George McCaslin

5/18/2005
5/20/2005

Deitrie Hanson
Analyzed By: Deitrie Hanson

5/20/2005

APPENDIX C
INSPECTOR CERTIFICATE

Headstart Building
St. Paul Island, Alaska

Certificate of Completion

This is to certify that
Gregory Gervais
has satisfactorily completed
24 hours of training as an

AHERA Building Inspector

in compliance with TSCA Title II AHERA 40 CFR Part 763

U.S. EPA Region 10 Accredited

April 20, 2005

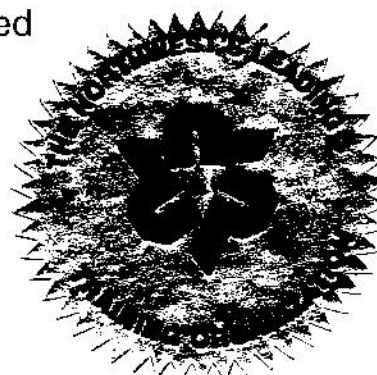


Instructor: Kristine Hatfield

Exp. Date: April 20, 2006



Prezant



Cert. # 05-1261

Conducted by:
Prezant Associates, Inc. Seattle, WA

Prezant Associates, Inc. • 330 Sixth Avenue North, Suite 200 • Seattle, Washington 98109 • (206) 281-8858

END OF ASBESTOS BUILDING INSPECTION
REPORT

APPENDIX D
LEAD-BASED PAINT INSPECTION REPORT

Headstart Building
St. Paul Island, Alaska

LEAD-BASED PAINT INSPECTION REPORT

HEADSTART BUILDING ST. PAUL ISLAND, ALASKA

Prepared by



National Oceanic and Atmospheric Administration
7600 Sand Point Way NE
Seattle, Washington 98115

October 19, 2005

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- 1 ST. PAUL ISLAND AND VICINITY OF SUBJECT PROPERTY
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- A FIELD NOTES
- B XRF INSTRUMENT ANALYSIS RESULTS AND CALIBRATION CHECK INFORMATION
- C INSPECTOR CERTIFICATE

INSPECTION SUMMARY

The National Oceanic and Atmospheric Administration (NOAA) performed a lead-based paint (LBP) inspection at the Headstart Building in St. Paul, Alaska (Section 25 of T35S-R132W; Lot 5: Block 20, U.S. Survey No. 4943, Alaska, Tract “A,” St. Paul Townsite, accepted by the Bureau of Land Management August 2, 1968; 0.26 Acres; 1976 MOU: Parcel 6F; 1984 Transfer of Property Agreement (TOPA): Site 9). NOAA determined that the building was constructed in 1911, classifying it as a “Child-Occupied Facility” under the Lead-Based Paint Hazard Reduction Act of 1992 (“Title X”, [Public Law {P.L.} 102-550]). While Title X does not require disclosure of inspection results for Child-Occupied Facilities, a copy of this summary should be provided to the operator and occupants of this property. Landlords and sellers of this property should also distribute an educational pamphlet and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from LBP hazards.

NOAA owns the subject property. The Aleutian-Pribilof Islands Association (A-PIA) Headstart Program for pre-school aged children was operated in the building until mid-September 2005, when the Program canceled its lease with the Aleut Community of St. Paul Island (“Tribal Government”) and ceased using the building due to peeling lead-based paint concerns. The building was unoccupied as of September 19, 2005.

The results of this investigation represent a review of current conditions based on available information and observations. NOAA encountered an estimated total of 9,610 square feet of LBP surfaces above the federal standard of 1.0 milligrams per square centimeter (mg/cm^2) throughout the interior and exterior of the building. Of this total, an estimated 7,080 square feet represent LBP hazards due to either the deteriorated condition of the paint or its location on a friction or impact surface. Peeling LBP was suspected behind the drywall on the “outside” walls of the building interior and behind the vinyl and carpet flooring, and the plywood sheathing the concrete floor. The drywall and flooring function as enclosures that limit the release of LBP into the building environment. A summary of the LBP locations can be found, organized by room equivalent and testing combination, in Table IS-1. NOAA also encountered lead at 588 milligrams per kilogram (mg/kg) in surface soil along the building’s drip line, which is above the State of Alaska residential cleanup level of 400 mg/kg ; NOAA did not encounter lead above the State cleanup level in the Headstart’s playground. NOAA personnel verbally informed Mr.

Biff Baker of the Tribal Government on May 13, 2005 that its preliminary results indicated peeling LBP was present inside the Headstart Building.

The LBP Inspection was conducted based on conditions encountered by NOAA on May 10, 2005. This assessment has revealed evidence of recognized environmental conditions in connection with the property. NOAA staff recommends further consideration of these environmental conditions, and applicable or relevant and appropriate laws and regulations, to determine potential notification, abatement, and remedial action requirements prior to property transfer under the TOPA. For example, disclosure of the presence of LBP hazards by a non-residential building's owner to a lessee or prospective purchaser is not explicitly required under Title X, but it would be appropriate under general disclosure practice for NOAA to do so for the subject property. Further evaluation by a certified lead risk assessor of the risk posed to building occupants by the identified LBP hazards may also be appropriate. Additionally, mitigation of potential exposure to the identified LBP hazards by abatement or restricting use of the building may also be appropriate for the subject property.

**Table IS-1: Summary of Testing Combinations with Lead-Based Paint Above
Federal Standard (1.0 mg/cm²)**

Room Equivalent	Building Component	Substrate	Color	Maximum Lead Concentration (mg/cm ²)	Paint Condition
02 through 10 (all interior space)	Wall	Concrete	Gray	Assumed Positive	Peeling
02 through 10 (all interior space)	Ceiling	Concrete	Gray	3.4	Peeling
02 through 10 (all interior space)	Mezzanine Floor	Concrete	Gray	Assumed Positive	Fair
02 through 10 (all interior space)	Mezzanine Roof Trusses	Metal	Red	5.2	Fair
02 through 10 (all interior space)	Floor	Concrete	Assumed Gray	Assumed Positive	Assumed Peeling
11 – Exterior	Wall	Concrete	White	4.8	Fair

SECTION 1

SCOPE OF INSPECTION

The National Oceanic and Atmospheric Administration (NOAA) chose to perform a lead-based paint (LBP) inspection at the Headstart Building in St. Paul, Alaska (Section 25 of T35S-R132W; Lot 5: Block 20, U.S. Survey No. 4943, Alaska, Tract “A,” St. Paul Townsite, accepted by the Bureau of Land Management August 2, 1968; 0.26 Acres; 1976 MOU: Parcel 6F; 1984 Transfer of Property Agreement (TOPA): Site 9). Figures 1 and 2 show the locations of St. Paul Island and the Headstart Building. The inspection was conducted in accordance with the Lead-Based Paint Hazard Reduction Act of 1992 (“Title X”, [Public Law {P.L.} 102-550]), and other federal laws, regulations and guidelines including but not limited to the federal Toxic Substances Control Act (15 United States Code Chapter 53, Subchapter IV) and “Guidelines for the Evaluation and Control of LBP Hazards in Housing,” produced by the U.S. Department of Housing and Urban Development (HUD) in 1998 (HUD *Guidelines*).

1.1 SCOPE OF WORK

The scope of the LBP inspection was to identify the presence and location of any LBP associated with the building on the subject property, consistent with the applicable portions of Chapter 7 of the HUD *Guidelines*.

1.2 INSPECTION PROTOCOL AND DISCLAIMER

A certified LBP inspector, authorized to inspect buildings in the State of Alaska, performed the inspection activities including reporting. The protocol used in performing the inspection was:

1. Locate and review background information about the building.
2. Performed a preliminary visual inspection of the building and property to identify potential room equivalents, building features, and painted substrates pertinent to the inspection.
3. Prepare sketches of the building, recording identified room equivalents, building features, painted substrates, and ultimately the number of testing combinations.
4. Determine the minimum number of locations to analyze using NOAA’s Niton XLP 702A portable x-ray fluorescence (XRF) analyzer, based on the HUD *Guidelines*: at least one location per testing combination, except for interior or exterior walls; and at least four readings, one per wall, for each interior room equivalent or the building exterior.
5. Select location for each analysis based on the need to analyze representative locations.
6. Analyze each location with the XRF, following the manufacturer’s recommendations including the process and frequency of performing calibration check tests.

-
7. Collect one or more composite surface soil samples from along the building exterior's drip line and analyze for total lead using the XRF in bulk analysis mode.

This report was compiled based partially on information supplied to NOAA from outside sources and other information in the public domain, in addition to LBP inspection notes, observations and data. The conclusions and recommendations herein are based on the information NOAA obtained in compiling the report. This information is on file at NOAA's office in Seattle, Washington. NOAA makes no warranty as to the accuracy of statements made by others, which may be contained in the report, nor are any other warranties or guarantees, expressed or implied, included or intended by the report except that it has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professionals performing the same or similar services.

Because the facts forming the basis for the report are subject to professional interpretation, differing conclusions could be reached. NOAA personnel performing and reviewing this LBP do not assume responsibility for the discovery and elimination of hazards that could possibly cause accidents, injuries, or damage. Compliance with submitted recommendations or suggestions does not assure elimination of hazards or the fulfillment of obligations under Federal, State, or local laws or any modifications or changes to such laws. None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature but shall be a representation of findings of fact from records examined.

SECTION 2

INSPECTION DETAILS

The following paragraphs describe the subject property and LBP inspection performed by NOAA personnel during the May 10, 2005. Field notes are provided in Appendix A, while XRF instrument analysis summary information including the calibration check test results are provided in Appendix B.

2.1 IDENTIFICATION AND REVIEW OF BACKGROUND INFORMATION

Historical information related to the subject property indicates the building was constructed in 1911 at its current location, based on records available at NOAA as well as from the U.S. National Archives and Records Administration's Pacific Alaska Regional Office in Anchorage, Alaska. NOAA determined that the building is classified it as a "Child-Occupied Facility" under the Lead-Based Paint Hazard Reduction Act of 1992 ("Title X", [Public Law {P.L.} 102-550]).

The building was constructed as the powerhouse for that the U.S. Navy's radio station complex on St. Paul Island. Historically the building has also been called the Electronics Shop or E-Shop. The complex also included radio towers, a coalhouse, a paint house, cottages, operator's quarters, a machine shop, a fuel tank farm, a hall, a tank house, and a pump house.

In 1937, the Department of Defense transferred the radio station complex to the U.S. Bureau of Commercial Fisheries, a predecessor agency of NOAA. The transfer agreement required the Bureau to maintain the communications capability between St. Paul and the Naval radio station at Dutch Harbor, Alaska. The Navy removed most of the radio and ancillary equipment at the time of disestablishment, leaving only enough equipment for maintenance of communications with Dutch Harbor.

At the time of the transfer, a tank farm fueled the E-Shop. The tank farm was removed on an unknown date prior to 1951. Presumably the Bureau of Commercial Fisheries or NOAA subsequently installed an underground storage tank (UST) to service heat in the E-Shop.

In 1979, NOAA conveyed the majority of the land occupied by the former Naval radio station complex, as well as other island properties, to the Tanadgusix Corporation (TDX) as part of the land withdrawals made pursuant to Alaska Native Claims Settlement Act (ANCSA). The complex has been subdivided and

is now in use for residential housing and commercial purposes. NOAA retained Parcel 6f, including the subject property, during the 1979 land withdrawal. Under the Transfer of Property Agreement of 1984 (TOPA), NOAA agreed to transfer Parcel 6f (then called Parcel 7) to the Aleut Community of St. Paul Island. The property has not yet been conveyed. NOAA removed a UST and approximately 50 cubic yards of petroleum-contaminated soil (PCS). No further excavation was practicable due to the presence of buried utilities and the need to slope excavation sidewalls to prevent sloughing of soil beneath the building foundation. One confirmation sample at 5 feet below ground surface exceeded the State of Alaska residential lead cleanup level of 400 milligrams per kilogram (mg/kg), with a concentration of 4,090 mg/kg lead. No other contaminants were identified at concentrations above the site-specific soil cleanup levels.

An unpainted metal aboveground storage tank (AST) was installed by the Aleut Community of St. Paul Island (“Tribal Government”) outside the building; it is currently located at the north end of the building. NOAA observed a diesel fuel leak from the AST in 2004 and assisted the Tribal Government with removing an estimated 15 cubic yards of PCS and ultimately disposed of it at NOAA’s permitted landspreading area at the National Weather Service station and as landfill cap material at Tract 42. Confirmation samples indicated the average contamination in remaining site soil is 15,000 mg/kg. The AST was observed having a minor leak again during the building inspection on May 10, 2005. As the AST is used to store diesel fuel for heating the building, lead is not a contaminant of concern associated with any releases from the AST.

According to Mr. Richard Zacharof, President of the Tribal Government, the building at the subject property is occupied by the Headstart Program, a part-time early education program administered by the Aleutian-Pribilof Islands Association. The building is presumably managed by the Tribal Government however the official relationship between the Headstart Program and the Tribal Government is unclear. Mr. Zacharof later indicated the Headstart Program canceled its lease with the Tribal Government in September 2005 due to lead-based paint concerns. The building is unoccupied as of September 19, 2005. Mr. Biff Baker of the Tribal Government indicated he was unaware of any asbestos inspections or abatement for this building. Mr. Baker indicated the Tribal Government improved the interior of the building from its previous industrial use for the Headstart Program, adding interior rooms such as bathrooms and a kitchen, an acoustic panel drop ceiling, insulated drywall panels over the original concrete walls, and carpeting. Ms. Esther Baldwin, lead teacher and administrator for the Headstart Program, indicated the school year is nominally September through early May, with approximately ten five-year old children attending from 8 am to 12 pm Monday through Friday. Ms. Baldwin indicated the

children play in a fenced-in playground adjacent to the southern portion of the building. Ms. Baldwin also indicated snacks are prepared for the children in the building's kitchen, and the children typically eat inside the building. The Aleutian-Pribilof Islands Association (A-PIA) Headstart Program for pre-school aged children was operated in the building until mid-September 2005, when the Program canceled its lease and ceased using the building due to peeling lead-based paint concerns. The building is unoccupied as of September 19, 2005.

2.2 VISUAL INSPECTION OF BUILDING

The subject property is currently occupied by a two-story concrete building with a footprint measuring approximately 69-feet by 27-feet, excluding the 8-feet by 4-feet mudroom footprint. The painted metal front door is located along the northwestern portion of the building at a mudroom, and the painted metal back door is located along the southern side of the building at a wooden deck inside the fenced play area. There is no exterior access way to the second story of the building. The interior access way to the second story, also called the mezzanine level, is located by ladder through a hatchway above the drop ceiling at the northern end of the building. The floor plan for the building is shown in Figure 3.

The main floor consists of a mudroom, a classroom, a hallway, two bathrooms, a kitchen, a furnace room, a utility closet, and an office. The mudroom consists of unpainted wood flooring and painted drywall walls and ceiling, with painted metal doors leading outside and the classroom. The drywall along the wall shared with the classroom is likely sheathing painted concrete. The classroom consists of carpeted and vinyl flooring, cove base, painted drywall walls, painted wood window frames and sills, and three types of drop ceiling panels (plastic resin, wormhole acoustic, and no hole acoustic). The classroom includes a Formica countertop with sink, as well as a painted metal circuit breaker box, along its southern wall. The mezzanine level of the building can be accessed by extension ladder through a portal located above the drop ceiling at the north end of the classroom. The hallway consists of vinyl flooring, cove base, painted drywall walls, unpainted wooden doors leading to the two bathrooms, a painted metal doorframe and door emergency exit, and wormhole acoustic drop ceiling panels. Each of the two bathrooms consist of vinyl flooring, cove base, painted drywall walls, wormhole acoustic drop ceiling panels, and Formica countertops with sinks and toilets. The kitchen consists of vinyl flooring, cove base, formica countertops and backsplash, a sink and electric range/oven, painted drywall walls, wormhole acoustic drop ceiling panels, a painted metal door leading to the playground, and an unpainted wooden door leading to the furnace room. The furnace room consists of an unpainted wooden door, unpainted drywall walls, an oil-fired forced air furnace with exhaust and plenum, and a painted concrete ceiling. The utility closet

consists of vinyl flooring, painted drywall walls, an exposed conduit, and worm hole acoustic drop ceiling. The office consists of carpeted flooring, cove base, painted drywall walls, painted wood window frame, and worm hole acoustic drop ceiling. The main floor's flooring is all installed above unpainted plywood that sheathes a painted concrete floor below, based on visual observations made when pulling carpeting away from the walls in the office. Painted concrete is on the main floor walls above the drop ceiling and is the bottom side of the concrete floor of the mezzanine level (see below). Peeling LBP was encountered on the main floor on the concrete walls and ceiling. Peeling LBP was suspected behind the drywall on the "outside" walls of the building interior and behind the vinyl and carpet flooring. The drywall and flooring, and the plywood sheathing the concrete floor function as enclosures that limit the release of LBP into the building environment.

The mezzanine level is a single room running the length of the building. The mezzanine level consists of painted concrete floor, painted metal and wood roof trusses supporting unpainted corrugated metal roof panels, unpainted concrete and wood end walls, and unpainted open wood shelving units with periodic makeshift unpainted wooden doorways and doors spanning the center aisle between the shelving units. The shelving units contain electrical spare parts, potentially from past street lighting and power generation operations. Other items, including an artificial Christmas tree, compressed gas cylinder, and 1-gallon cans of paint are also stored in the mezzanine level. LBP in fair condition was encountered on the mezzanine level.

The building exterior consists of painted concrete, with painted plywood paneling enclosing the northern end of the mezzanine level. The roof consists of a painted corrugated metal panel roof. The wood soffits are painted along the northern end of the building but are unpainted elsewhere. A non-friable fibrous concrete conduit containing cut electrical wires is present within the concrete wall near the ground surface along the western portion of the building. The conduit potentially continues beneath the building in a crawl space, however the crawl space was inaccessible for the inspection due to the presence of Arctic fox dens and animal feces. LBP in fair condition was encountered on the building exterior. The playground has a large plastic play structure.

2.3 IDENTIFICATION OF ROOM EQUIVALENTS AND TESTING COMBINATIONS

NOAA identified the room equivalents and testing combinations listed in Table 1 of Section 2.4 for the LBP inspection.

2.4 LBP ANALYSES

Based on the evaluation of the testing combinations, a total of 41 surface locations on the interior and exterior of the building were tested for surface lead concentration using NOAA's XRF. An estimated 9,610 square feet (ft²) of LBP surfaces were identified. Of this total, an estimated 7,080 ft² represent LBP hazards due to either the deteriorated condition of the paint or its location on a friction or impact surface. Sample locations are shown in Figure 3. Results can be found in Table 1, with the detailed results and inspection notes in Appendices A and B. NOAA personnel verbally informed Mr. Baker of the Tribal Government on May 13, 2005 that its preliminary results indicated peeling LBP was present inside the Headstart Building. NOAA deviated from the HUD *Guidelines* in the following ways:

1. General: The main floor flooring was all carpet or vinyl covering plywood sheathing concrete. Since neither the carpet nor the vinyl were painted surfaces, only two locations (room equivalent 4 – kitchen and room equivalent 6 - office) had their floors tested using the XRF as it was unclear whether the XRF could penetrate the materials above the presumed painted concrete subfloor. These two locations tested positive for LBP. It is assumed that the underlying concrete subfloor throughout the building has LBP.
2. Room equivalent 1, which is the mudroom, only had one of its painted drywall walls tested based on the room's construction after 1977. The one sample location did not have LBP.
3. Room equivalent 5, which is a storage closet, only had two of its painted drywall walls tested due to obstructions preventing access to two walls. The two tested walls did not have LBP.
4. Room equivalent 7, which is a storage closet, was not tested based on the room's construction after 1977.
5. Room equivalents 8 and 9, which are bathrooms, only had two drywall walls apiece tested based on the room's construction after 1977. The four tested walls did not have LBP.
6. Room equivalent 10, which is a hallway, only had one of its two drywall walls tested since it had the same painting history as the adjacent kitchen and classroom. The tested wall did not have LBP.

Table 1: Testing Combinations

Room Equivalent	Building Component	Substrate	Color	Estimated Size (ft ²)	LBP Result	Paint Condition
01 – Mudroom	Wall	Drywall	White	NA	Negative	NA
02 – Classroom	Wall	Drywall	White	NA	Negative	NA
02 – Classroom	Wall	Concrete	Gray	1,530^a	Assumed Positive	Assumed Peeling
02 – Classroom	Ceiling	Concrete	Gray	1,850	Positive	Peeling
02 – Classroom	Mezzanine Floor	Concrete	Gray	1,850	Positive	Fair
02 – Classroom	Mezzanine Roof Trusses	Metal	Red	1,000	Positive	Fair
02 – Classroom	Door	Metal	White	NA	Negative	NA
02 – Classroom	Window	Wood	White	NA	Negative	NA
04 – Kitchen	Wall	Drywall	White	NA	Negative	NA
04 – Kitchen	Floor	Concrete	Assumed Gray	1,850^b	Positive	Assumed Peeling
05 – Closet	Wall	Drywall	White	NA	Negative	NA
06 – Office	Floor	Concrete	Assumed Gray	0^b	Positive	Assumed Peeling
06 – Office	Wall	Drywall	White	NA	Negative	NA
08 – Bathroom	Wall	Drywall	White	NA	Negative	NA
09 – Bathroom	Wall	Drywall	White	NA	Negative	NA
10 – Hall	Wall	Drywall	White	NA	Negative	NA
10 – Hall	Door	Metal	White	NA	Negative	NA
10 – Hall	Doorframe	Wood	White	NA	Negative	NA
11 – Exterior	Wall	Concrete	White	1,530	Positive	Fair
11 – Exterior	Wall	Wood	Brown	NA	Negative	NA
11 – Exterior	Roof	Metal	Red	NA	Negative	NA
11 – Exterior	Soffit	Wood	Brown	NA	Negative	NA
TOTAL				9,610		

Notes: (a) Quantity of LBP on concrete walls underlying drywall and above drop ceiling all accounted in this total for all main floor room equivalents.

(b) Quantity of LBP on concrete floor underlying carpet/vinyl and wood all accounted in this total for all main floor room equivalents.

2.5 SURFACE SOIL EVALUATION

Peeling LBP was observed on the exterior of the building, constituting a potential release of lead. NOAA collected a composite soil sample representing surface soil (0-3 inches below ground surface) along the building drip line, and a second composite sample in the playground area south of the building. NOAA measured total lead in the drip line composite sample at 588 mg/kg, which exceeds the ADEC residential cleanup level of 400 mg/kg. NOAA measured total lead in the playground composite sample at 22 mg/kg, which is far below the ADEC residential cleanup level. No other evidence of exterior discharges or waste disposal associated with lead was observed during the inspection. The subsample locations for the composite samples are shown on Figure 3.

SECTION 3 DEFINITIONS

Building Component	Specific design or structural elements or fixtures of a building that are distinguished from each other by form, function and location. Examples include but are not limited to ceilings, walls, doors, door trim, floors, radiators, columns, ceilings, soffits, stair stringers, roofs, and chimneys.
Certified Inspector	An individual who has been trained by an accredited training program and certified by a state agency or by EPA to conduct inspections.
Child-Occupied Facility	A building, or portion of a building, constructed prior to 1978, visited regularly by the same child, six years of age or under, on at least two different days within any week (Sunday through Saturday period), provided that each day's visit lasts at least three hours and the combined weekly visit lasts at least six hours, and the combined annual visits last at least 60 hours. Child-occupied facilities may include, but are not limited to, daycare centers, preschools and kindergarten classrooms.
Composite Sample	A single sample composed of individual subsamples of approximately the same mass. Analysis of a composite sample produces the arithmetic mean of all subsamples.
Deteriorated Paint	Paint that is cracking, flaking, chipping, peeling, or otherwise separating from the substrate of a building component.
Friction Surface	An interior or exterior surface that is subject to abrasion or friction, including certain window, floor, and stair surfaces.
Impact Surface	An interior or exterior surface that is subject to damage by repeated impacts, for example, certain parts of door frames.
Lead-Based Paint	Paint or other surface coatings that contain lead equal to or in excess of 1.0 milligrams per square centimeter or more than 0.5 percent by weight.
Lead-Based Paint Hazard	Any condition that causes exposure to lead from lead-contaminated dust, lead-contaminated soil, lead-contaminated paint that is deteriorated or present in accessible surfaces, friction surfaces, or impact surfaces that would result in adverse human health effects as established by the appropriate Federal agency.

Room Equivalent	An identifiable part of a residence, such as a room, a house exterior, staircase, hallway, or an exterior area (<i>e.g.</i> , play area). Closets or other adjoining areas to room equivalents should be designated room equivalents only if large.
Substrate	A surface upon which paint or varnish has been or may be applied, such as wood, plaster, metal, brick, drywall, and concrete.
Target Housing	Any housing constructed prior to 1978, except housing for the elderly or persons with disabilities unless any one or more children age 6 years or under resides or is expected to reside in such housing, or any 0-bedroom dwelling (<i>i.e.</i> , a studio apartment or a dormitory).

SECTION 4 INSPECTOR INFORMATION AND APPROVAL

The inspector of record for NOAA's LBP inspection for the Headstart Building is Mr. Gregory P. Gervais, P.E. Mr. Gervais' inspector certificate was issued by Prezant Associates, Inc. of Seattle, Washington. The certificate number is PREZANT 05-1329 and expires on October 27, 2005. A copy of this certificate is included in Appendix C.

Prepared by:



Gregory P. Gervais, P.E.
Certified Lead-Based Paint Inspector
National Oceanic and Atmospheric Administration

Reviewed by:



Thanh Minh Trinh, P.E.
Environmental Compliance Officer
National Oceanic and Atmospheric Administration



Bering Sea

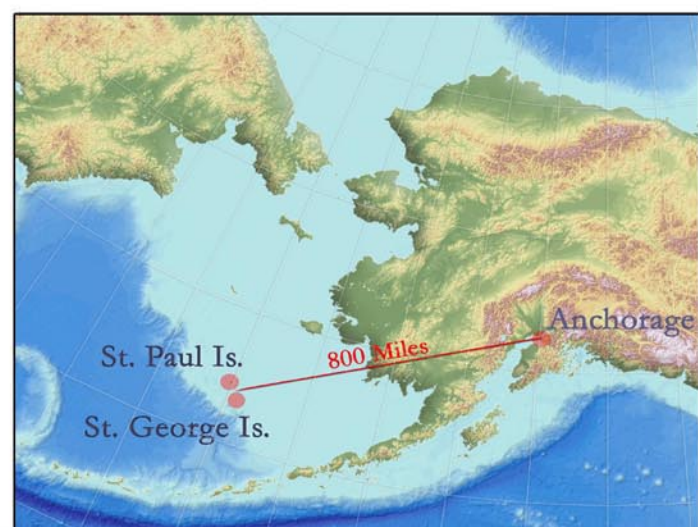
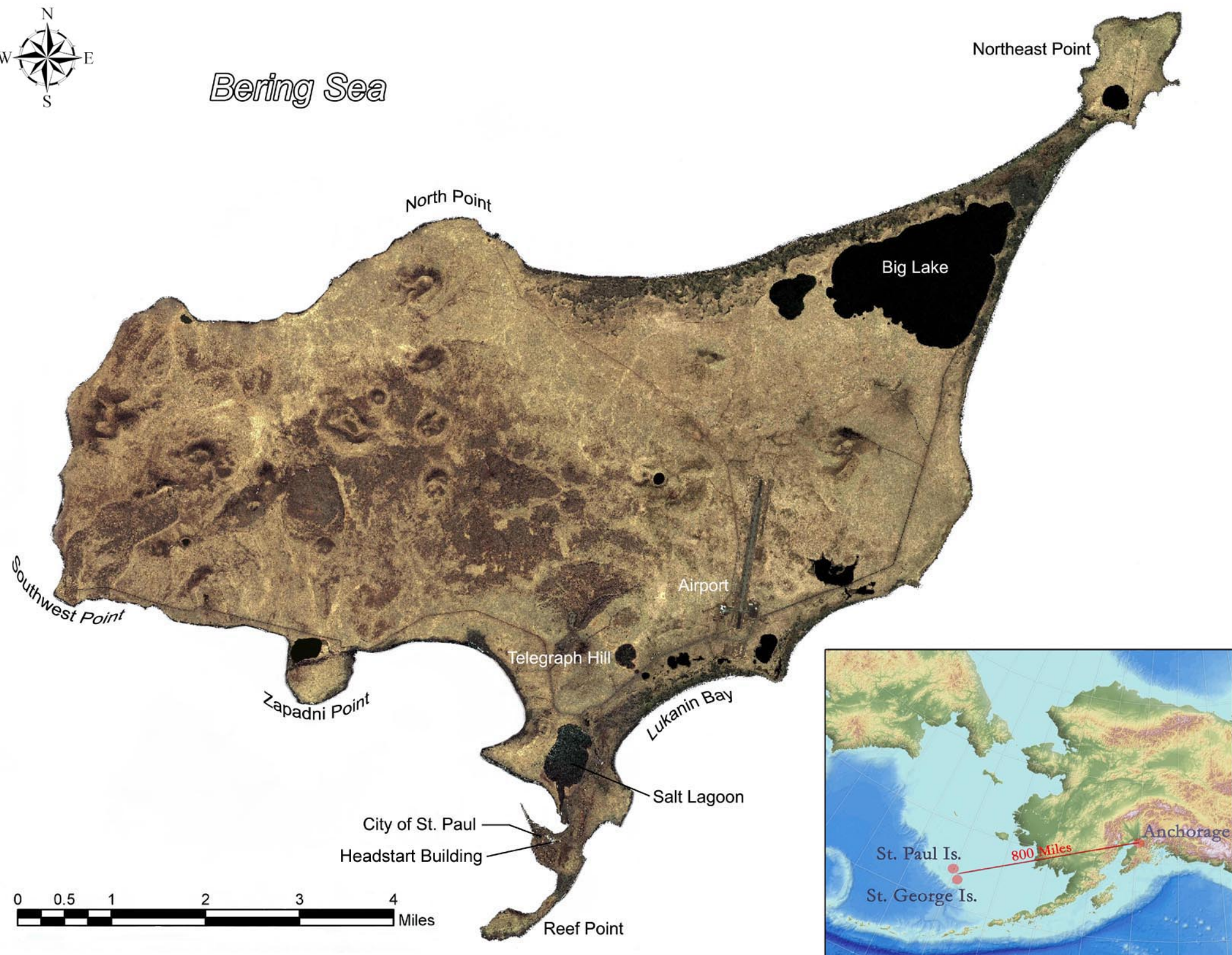
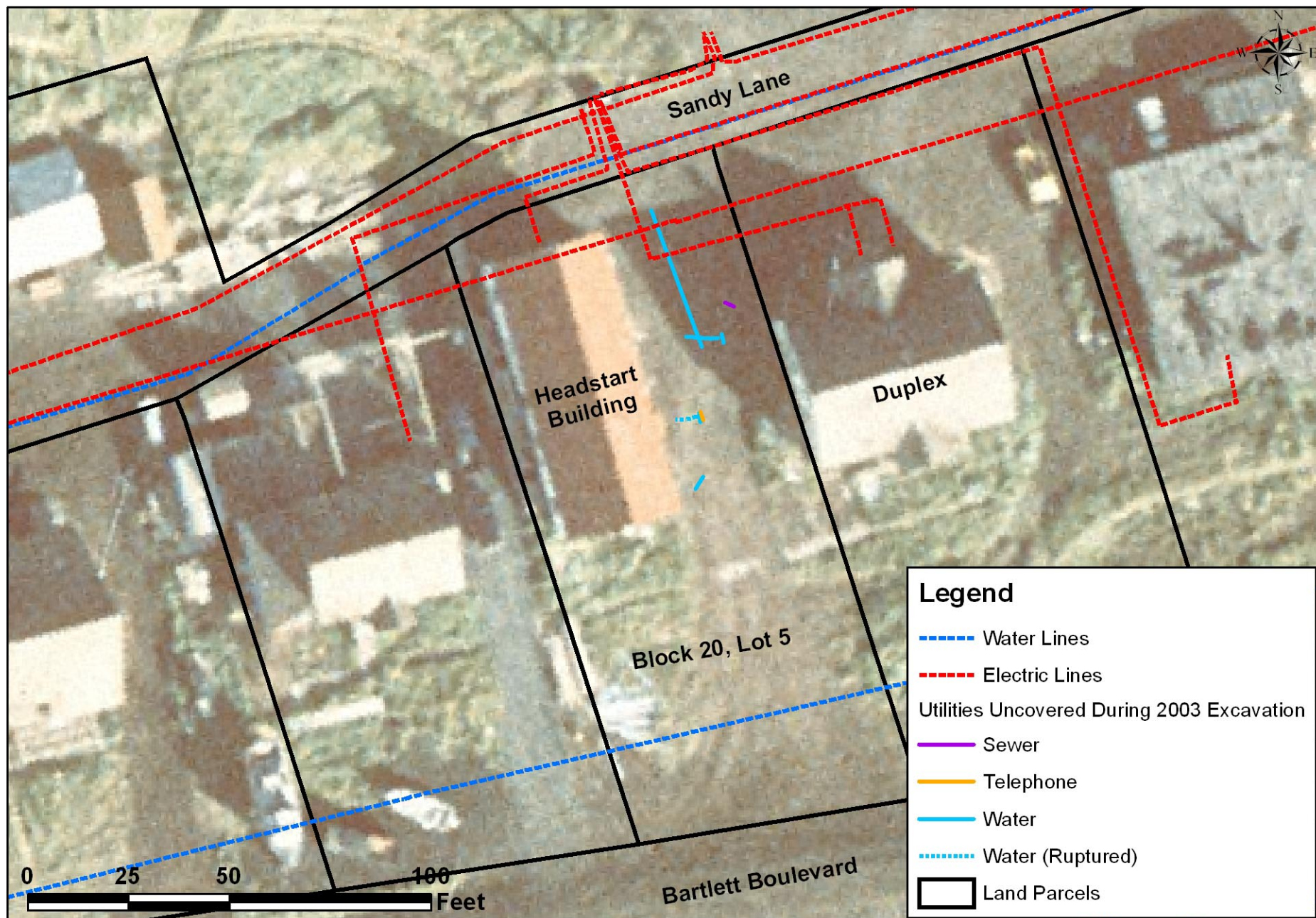


Figure
1

St. Paul Island and Vicinity of Subject Property
Headstart Building
St. Paul Island, Alaska

Source: Ikonos Satellite
Imagery, 2001





Figure

1

Subject Property
Headstart Building
St. Paul Island, Alaska

Sources: Water and Electric Utilities (Polarconsult 2001), Utilities uncovered by excavation and Parcel Boundaries (NOAA Pribilof Project GIS 2005), Aerial Photo (Aeromap US 1996).

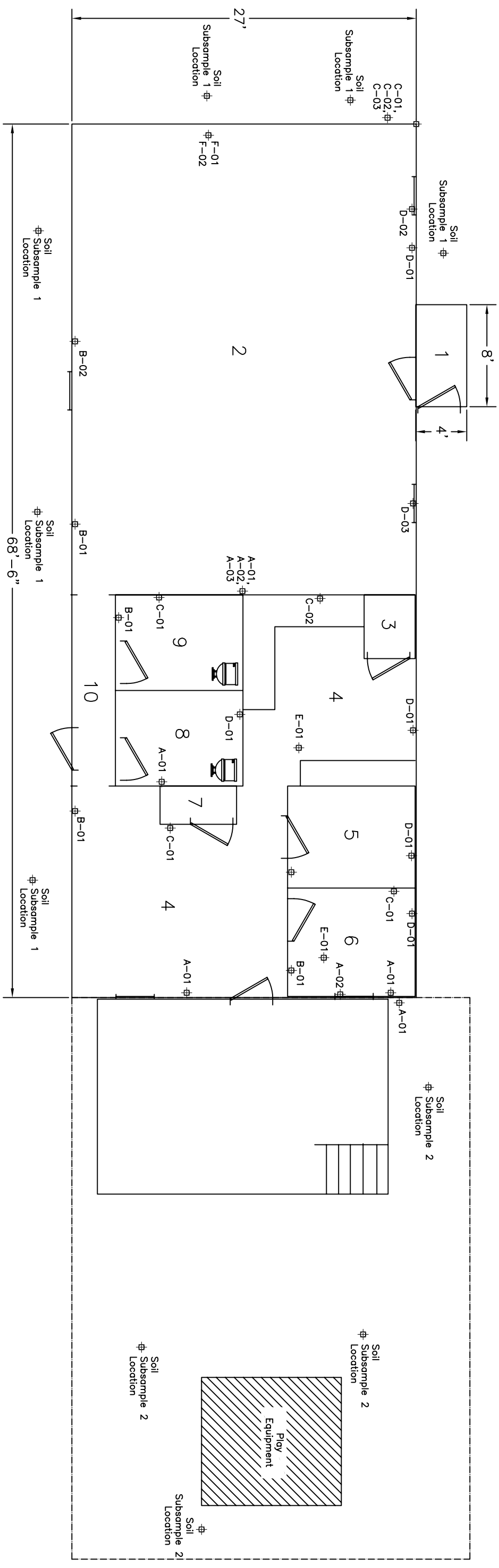


Figure 3

Room Equivalent & Lead Sample Locations, Main Floor Head Start Building

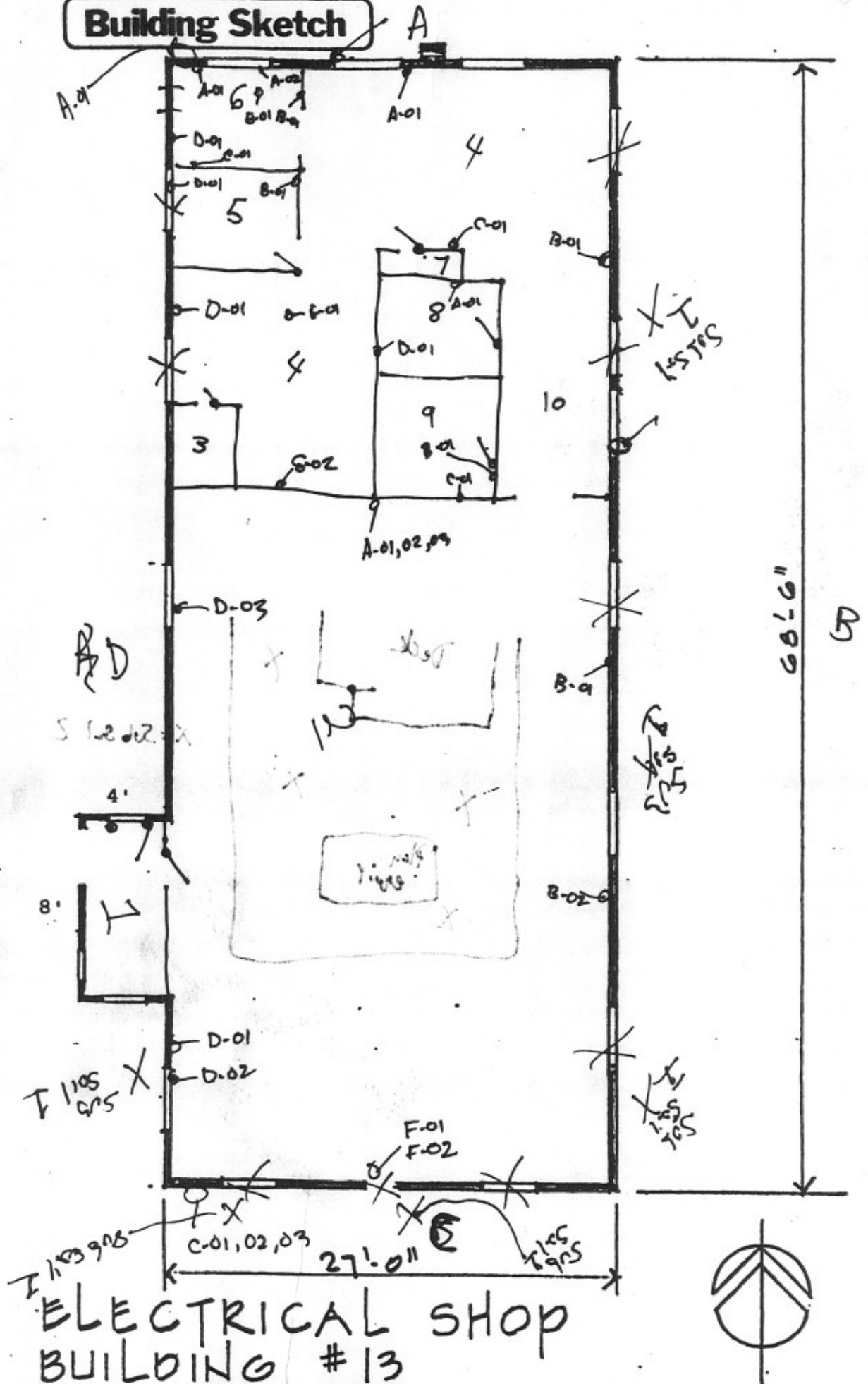
Scale: 1/8" = 1'-0"

APPENDIX A

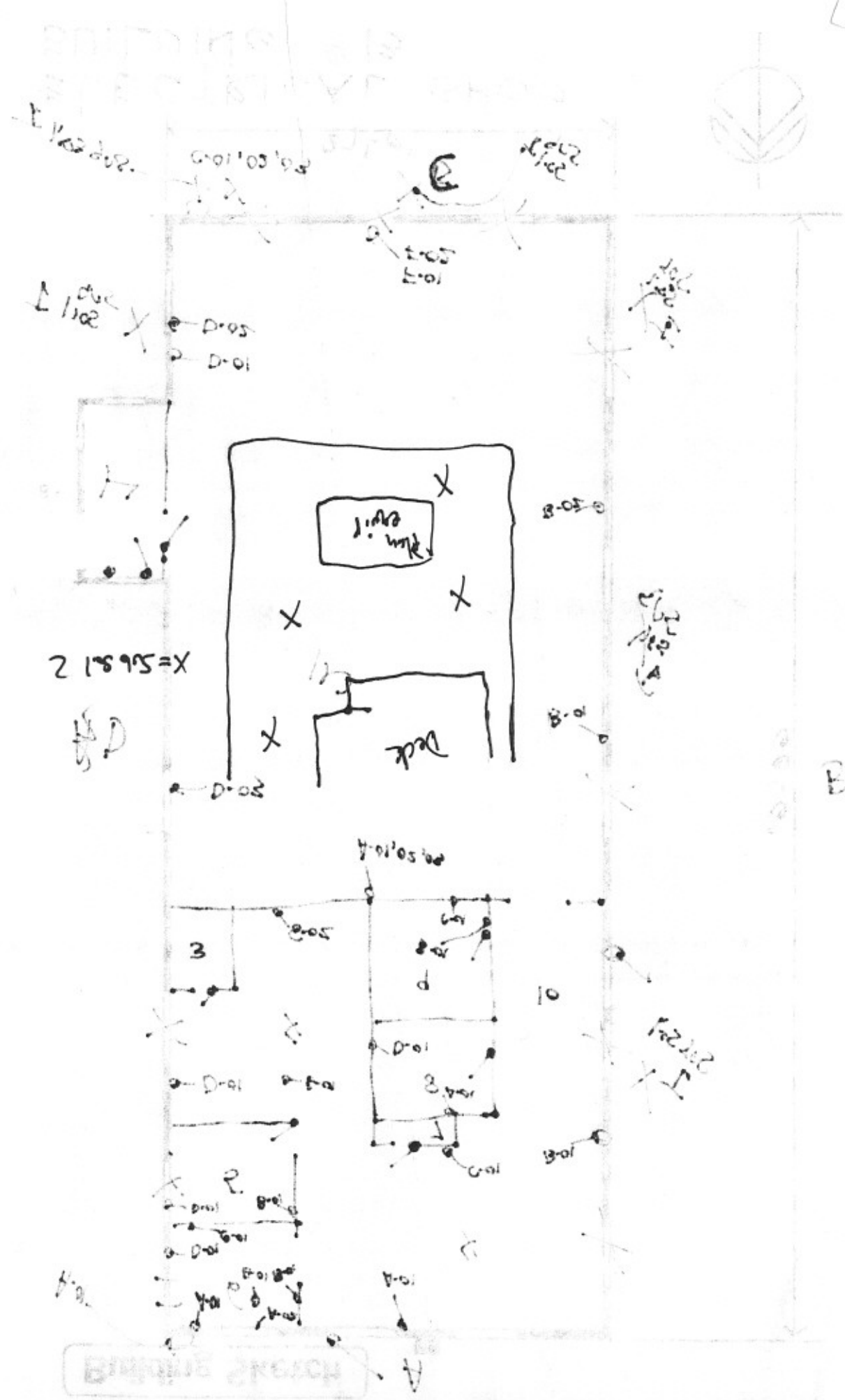
FIELD NOTES

**Headstart Building
St. Paul Island, Alaska**

Building Sketch



ELECTRICAL SHOP
BUILDING #13



BIRCHING SKETCH

Headstart (Bldg. 4)

5/13/05

0713 hrs.

4

RE	ID	XRF ID	Matrix	Desc.	Result
Office 06	A-01	194	Drywall	white textured, in tact	0.0
"	B-01	195	"	"	0.0
"	B-01	196	"	"	0.0
"	C-01	197	"	"	0.0
"	A-02	198	Wood	Window Frame white, Fair	0.0
"	E-01	199	(wood)	Co. pat, Phys. (Concrete?) in tact	1.9
Kitchen 04	A-01	200	Drywall	white textured, in tact	0.0
"	B-01	201	"	"	0.0
"	C-01	202	"	"	0.0
"	C-02		"		0.0
"	D-01		"		0.0
"	E-04		staple wood, concrete wood concrete	very (1, concrete?) in tact	2.1 1.2
Closet 05	D-01		Drywall	white textured, in tact	0.0
"	B-01		"	"	0.0
Hallway 10	B-01		"	"	0.0
"	B-02		metal	Door Frame Gray, in tact	0.0
Bath 08	D-01		Drywall		
"	A-01		"	Gray in tact	0.0
"				white, in tact	0.0
Bath 09	B-01		"	"	0.0
"	C-01		"	"	0.0
					0.0

Headstart

RE	ID	XRFID	Matrix	Desc.	Result
					0.0
Hallway 10	B-01		wood	Door frame, white in fact	
Class 02	A-01		Drywall	white, intact	0.0
Class 02	A-02		wood	"	0.0
	A-03		metal	"	0.0
	B-01		Drywall	"	0.0
	B-02		"	column white, intact	0.01
	C-01		"	white, intact	0.0
	D-01		"	"	0.0
	D-02		wood	window sill, white intact	0.0
	D-03		"	Window, white intact	0.0
	B-02		"	Window Frame, ^{Base} intact	0.0
	F-01		Concrete	Gray, peeling	3.4
	F-02		Metal	Red brass, peeling	5.2
Exterior 11	C-01		Metal	Roof, red intact	0.0
	C-02		Wood	Brown (high), intact	0.0
	C-03	252	Concrete	white, fair	3.4 4.8
	A-01		"	"	3.5
	C-04		wood	white, peeling	-0.79
	D-01		wood	"	0.0
			Drywall	white, intact	0.0
M-dorm 01	D-01				0.0

Fluorescent Lights: 14 in Class 2
 1 in Bath 8
 6 in Kitchen
 1 in closet 5
 1 in office 6

Soil Samples

Reading No	Sample ID	Result Pb ppm	Error
456	NIST Low	20.4	12.1
457	NIST MED	1139	55
458	NIST High	5724	125
459	Paint Shop E	236.6	34.5
460	" N	82.4	25.1
461 ⁴⁶²	15-CS-01	1.93	18.99
463	15-BS-01	19.52	20.22
464 ⁴⁶⁵	Paint Shop NE	43.6	25
466	Paint Shop SW	288.0	33.7
467	" NW	48.3	21
468	" W	67.4	23.5
469	" SE	188.3	32.6
470	Bldg 4-02 <small>Hendstul Phrygiant</small>	22.4	18.7
471	Bldg 4-01 <small>Hendstul Prir</small>	587.5	44.9
472	Bldg 3-House 103	460.5	40.8
473	Bldg 5&6-Duplex	3227	122
474	Bldg 4 2-House 102	502.5	41.2
475	Bldg 1-House 101	567.8	43.9



APPENDIX B

XRF INSTRUMENT ANALYSIS RESULTS AND CALIBRATION CHECK INFORMATION

**Headstart Building
St. Paul Island, Alaska**

NOAA National Ocean Service, Office of Response and Restoration
 Transfer of Property Agreement (TOPA) Environmental Property Inspections
 St. Paul and St. George Islands, Pribilof Islands, Alaska
 Greg Gervais, P.E. and John Fox
 Revised: 050921

Headstart Building, Lot 4, St. Paul Island, Alaska

I. AHERA Building Inspection

<u>Sample ID</u>	<u>Homogeneous Material</u>	<u>HM Number</u>	<u>Type</u>	<u>Date Collected</u>	<u>Date Analyzed</u>	<u>Result (% ACM)</u>	<u>Asbestos Type</u>	<u>Condition</u>	<u>Final Classification</u>	<u>Notes</u>
04- 02- 01	square pattern vinyl flooring	1	MISC	050510	50520	ND	NA	NA	Negative	
04- 02- 02	dry wall w/ light texturing	2	SM	050510	50520	ND	NA	NA	Negative	
04- 02- 03	dry wall w/ light texturing	2	SM	050510	50520	ND	NA	NA	Negative	
04- 02- 04	classroom countertop	3	MISC	050510	50520	ND	NA	NA	Negative	
04- 02- 05	dry wall w/ light texturing	2	SM	050510	50520	ND	NA	NA	Negative	
04- 02- 06	dry wall w/ light texturing	2	SM	050510	50520	ND	NA	NA	Negative	
04- 02- 07	dry wall w/ light texturing	2	SM	050510	50520	ND	NA	NA	Negative	
04- 02- 08	plenum insulation & duct tape	4	TSI	050510	50520	ND	NA	NA	Negative	
04- 02- 09	ceiling tile w/ worm holes	5	MISC	050510	50520	ND	NA	NA	Negative	
04- 02- 10	ceiling tile (resin)	6	MISC	050510	50520	ND	NA	NA	Negative	
04- 02- 11	ceiling tile w/ no holes	7	MISC	050510	50520	ND	NA	NA	Negative	
04- 03- 01	duct tape on cool air makeup	8	TSI	050510	50520	ND	NA	NA	Negative	
04- 03- 02	dry wall w/ no texturing	9	SM	050510	50520	ND	NA	NA	Negative	
04- 03- 03	dry wall w/ no texturing	9	SM	050510	50520	ND	NA	NA	Negative	
04- 03- 04	dry wall w/ no texturing	9	SM	050510	50520	ND	NA	NA	Negative	
04- 04- 01	gray cove base w/ mastic	10	MISC	050510	50520	ND	NA	NA	Negative	
04- 04- 02	speckled pattern vinyl flooring	11	MISC	050510	50520	ND	NA	NA	Negative	
04- 04- 03	speckled pattern vinyl flooring	11	MISC	050510	50520	ND	NA	NA	Negative	
04- 04- 04	kitchen countertop	12	MISC	050510	50520	ND	NA	NA	Negative	
04- 04- 05	backsplash	13	MISC	050510	50520	ND	NA	NA	Negative	
04- 04- 06	dry wall w/ medium texturing	14	SM	050510	50520	ND	NA	NA	Negative	
04- 04- 07	dry wall w/ medium texturing	14	SM	050510	50520	ND	NA	NA	Negative	
04- 04- 08	dry wall w/ medium texturing	14	SM	050510	50520	ND	NA	NA	Negative	
04- 05- 01	duct tape on conduit	15	TSI	050510	50520	ND	NA	NA	Negative	
04- 05- 02	dry wall w/ medium texturing	14	SM	050510	50520	ND	NA	NA	Negative	
04- 06- 01	office carpet	16	MISC	050510	50520	ND	NA	NA	Negative	
04- 06- 02	dry wall w/ medium texturing	14	SM	050510	50520	ND	NA	NA	Negative	
04- 08- 01	square pattern vinyl flooring	1	MISC	050510	50520	ND	NA	NA	Negative	
04- 10- 01	black cove base w/ mastic	17	MISC	050510	50520	ND	NA	NA	Negative	
04- 11- 01	red cement pipe conduit	18	MISC	050510		20	Chrysotile		ACBM	2 layers present, with asbestos only in L-2

II. Lead Paint Building Inspection

<u>Room Equivalent</u>	<u>Wall Number</u>	<u>XRF ID</u>	<u>Date Analyzed</u>	<u>Substrate</u>	<u>Feature</u>	<u>Color</u>	<u>Condition</u>	<u>Result (mg/cm²)</u>	<u>Error (± mg/cm²)</u>	<u>Final Classification</u>	<u>Notes</u>
01 - MUDROOM	D	-01	237	5/13/2005 12:04 DRYWALL	WALL	WHITE	INTACT	0	0.02	NEGATIVE	
02 - CLASSROOM	F	-01	228	5/13/2005 11:42 CONCRETE	CEILING	GREEN	PEELING	3.4		2.1 POSITIVE	
02 - CLASSROOM	A	-01	218	5/13/2005 11:32 DRYWALL	WALL	WHITE	INTACT	0		0.02 NEGATIVE	

02 - CLASSROOM	C	-01	223	5/13/2005 11:34 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	D	-01	224	5/13/2005 11:34 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	B	-02	222	5/13/2005 11:34 DRYWALL	COLUMN	WHITE	INTACT	0.01	0.05 NEGATIVE
02 - CLASSROOM	A	-03	220	5/13/2005 11:33 METAL	DOOR	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	B	-01	221	5/13/2005 11:33 METAL	DOOR	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	F	-02	229	5/13/2005 11:43 METAL	CEILING	RED	INTACT	5.2	2.8 POSITIVE
02 - CLASSROOM	A	-02	219	5/13/2005 11:32 WOOD	WALL	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	B	-02	227	5/13/2005 11:36 WOOD	WINDOW	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	D	-02	225	5/13/2005 11:35 WOOD	WINDOW	WHITE	INTACT	0	0.02 NEGATIVE
02 - CLASSROOM	D	-03	226	5/13/2005 11:36 WOOD	WINDOW	WHITE	INTACT	0	0.02 NEGATIVE
04 - KITCHEN	E	-01	208	5/13/2005 11:25 CONCRETE	FLOOR	WHITE	INTACT	1.9	0.8 POSITIVE
04 - KITCHEN	A	-01	200	5/13/2005 11:20 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
04 - KITCHEN	B	-01	201	5/13/2005 11:21 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
04 - KITCHEN	C	-01	202	5/13/2005 11:21 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
04 - KITCHEN	C	-02	203	5/13/2005 11:22 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
04 - KITCHEN	D	-01	204	5/13/2005 11:22 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
05 - CLOSET	B	-01	210	5/13/2005 11:26 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
05 - CLOSET	D	-01	209	5/13/2005 11:26 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	A	-01	194	5/13/2005 11:16 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	B	-01	195	5/13/2005 11:17 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	C	-01	197	5/13/2005 11:18 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	D	-01	196	5/13/2005 11:17 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	A	-02	198	5/13/2005 11:18 WOOD	WINDOW	WHITE	INTACT	0	0.02 NEGATIVE
06 - OFFICE	E	-01	199	5/13/2005 11:19 WOOD	FLOOR	WHITE	INTACT	1.9	0.7 Positive
08 - BATHROOM	A	-01	214	5/13/2005 11:29 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
08 - BATHROOM	D	-01	213	5/13/2005 11:29 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
09 - BATHROOM	B	-01	215	5/13/2005 11:30 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
09 - BATHROOM	C	-01	216	5/13/2005 11:30 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
10 - HALL	B	-01	211	5/13/2005 11:27 DRYWALL	WALL	WHITE	INTACT	0	0.02 NEGATIVE
10 - HALL	B	-02	212	5/13/2005 11:28 METAL	DOOR	WHITE	INTACT	0	0.02 NEGATIVE
10 - HALL	B	-03	217	5/13/2005 11:31 WOOD	DOOR	WHITE	INTACT	0	0.02 NEGATIVE
11 - Exterior	A	-01	233	5/13/2005 11:57 CONCRETE	WALL	WHITE	FAIR	3.5	2.4 POSITIVE
11 - Exterior	C	-03	232	5/13/2005 11:51 CONCRETE	WALL	WHITE	FAIR	4.8	3.6 POSITIVE
11 - Exterior	C	-01	230	5/13/2005 11:50 METAL	WALL	RED	INTACT	0	0.02 NEGATIVE
11 - Exterior	C	-04	235	5/13/2005 12:02 WOOD	WALL		PEELING	-0.74	1.72 NEGATIVE
11 - Exterior	C	-02	231	5/13/2005 11:50 WOOD	WALL	BROWN	INTACT	0	0.02 NEGATIVE
11 - Exterior	C	-03	234	5/13/2005 12:02 WOOD	WALL		PEELING	0	0.04
11 - Exterior	D	-01	236	5/13/2005 12:03 WOOD	WALL		PEELING	0	0.02 NEGATIVE

Theory and Use of X-Ray Fluorescence (XRF) Analyzers



Calibration Check Test Results

Page ____ of ____

Address/Unit No. Head Start

Device Niton XLp702A

Date 5/13/05 XRF Serial No. 6562

Contractor NOAA

Inspector J. Fox

Inspector Signature _____

NIST SRM Used 1.05 mg/cm² Calibration Check Tolerance Used* 0.9-1.2 mg/cm²

First Calibration Check

NIST SRM			First Average	Within Limits	Outside of Limits
First Reading	Second Reading	Third Reading			
1.1	1.5	1.0	1.2	✓	

Second Calibration Check 0905

NIST SRM			First Average	Within Limits	Outside of Limits
First Reading	Second Reading	Third Reading			
1.2	1.1	1.1	1.1	✓	

Third Calibration Check (if required)

NIST SRM			First Average	Within Limits	Outside of Limits
First Reading	Second Reading	Third Reading			

Fourth Calibration Check (if required)

NIST SRM			First Average	Within Limits	Outside of Limits
First Reading	Second Reading	Third Reading			

*If the average falls outside of the XRF Calibration Check Tolerance Limits listed on the instrument's *Performance Characteristics Sheet* (PCS), consult the manufacturer's recommendations to bring the instrument back into control. Retest all testing combinations tested since the last successful Calibration Check test.

APPENDIX C
INSPECTOR CERTIFICATE

Headstart Building
St. Paul Island, Alaska

Certificate of Completion

This is to certify that

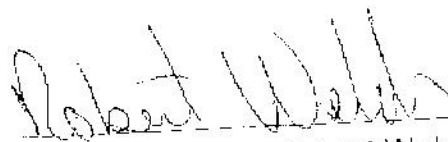
Greg Gervais


has fulfilled the requirements of the Toxic Substance Control Act (TSCA) Section 402 (a)(1), and has received certification as an individual, pursuant to 40 CFR Part 745.226 to conduct lead-based paint activities for the following:

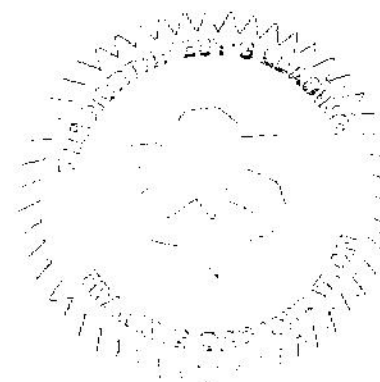
Certified Lead Inspector

Certificate #: PREZANT 05-1329

Expires: 10/27/05


Training Director Robert Welch


Instructor: Bob Bliss



Presented for:

Prezant Associates, Inc. Seattle

EPA Region 10 Training Provider Lic. # WA-102006-0140
WA State CTED Accreditation #9006

Certificate Date: April 27, 2005

Note: This is an interim certificate only and expires six (6) months from the issuance date. A permanent license must be acquired from the U.S. EPA and/or WA State CTED as stated in 40 CFR 745.225 and/or WA State per chapter 365-230 WAC prior to the expiration of this interim certificate.

END OF LEAD INSPECTION REPORT

APPENDIX E
INSPECTOR STATEMENT OF QUALIFICATIONS

Headstart Building
St. Paul Island, Alaska

NOAA INSPECTOR AND ASSISTANT QUALIFICATIONS

GREG GERVAIS, P.E.

National Oceanic and Atmospheric Administration

Environmental Engineer

Greg Gervais is an environmental engineer with over 10 years of experience designing and implementing characterizations and cleanups for hazardous, toxic, and radioactive waste (HTRW) sites. Greg has worked for NOAA's Office of Response and Restoration since 2002, functioning both as a senior environmental engineer and deputy manager for the Pribilof Project Office.

Prior to NOAA, Greg was a project manager and senior chemical engineer for the U.S. Army Corps of Engineers HTRW Design Center in Seattle. With the Corps, Greg played a variety of roles on cleanup projects executed for the Department of Defense, Department of Energy, Environmental Protection Agency, Farm Service Agency, and other federal agencies. He graduated from the Corps' Leadership Development Program in 2000.

Greg began his career as a cooperative education student and assistant remedial project manager with the Environmental Protection Agency's Superfund Program in Region 10-Seattle where he worked on a variety of cleanups throughout Washington and Idaho.

Greg has worked on civilian and military sites during his career, with contaminants such as heavy metals, polychlorinated biphenyls, petroleum-oil-lubricants, asbestos, chlorinated solvents, wood treater chemicals including polynuclear aromatic hydrocarbons, explosives residues, chlorinated and phosphorus-based pesticides, dioxins/furans, radionuclides, seal blubber, and biohazards. Past projects include the optimization of a groundwater treatment plant and leading a treatability study on the use of constructed wetlands to remediate acid mine drainage. Greg led a multidisciplinary team's review of the design for a multibillion dollar nuclear waste remediation. Greg scoped the characterization of a 3,800 acre former Army training facility, provided life-cycle environmental engineering of a former pesticides disposal test facility using the Triad Approach, and managed the conceptual design of an in-situ thermal remediation system.

He holds a Bachelor of Science degree in chemical engineering from the University of Washington and is a licensed professional engineer, registered as qualified in environmental engineering by the State of Washington. Greg holds NOAA certification as a Contracting Officer's Technical Representative. Greg is also 40-hour HAZWOPER certified, a certified AHERA Building Inspector, and a certified Lead-Based Paint inspector by EPA Region 10 and the State of Washington.

JOHN FOX**Oak Ridge Institute for Science Education***Geographer, GIS/GPS Specialist*

John Fox began providing geographic information systems (GIS) support through ORISE for the Pribilof Project in January of 2002, while completing his Bachelor of Arts degree in geography, with an emphasis in GIS, at Western Washington University.

Prior to his work with NOAA he worked for five years with a landscape construction company as a heavy equipment operator. During this time, his duties also included surveys for cut/fill grading, supply and sub-contractor coordination, and backup project oversight.

After graduating in March 2002, he began working full time for the Pribilof Project and expanded his role on the project to include both GIS and global positioning system (GPS) duties. Along with providing GIS cartographic support, and data management in the office to assist with environmental restoration activities, he frequently travels to the Pribilof Islands to provide GPS survey support for site remediation activities. The past two years he has provided highly accurate and precise GPS elevation surveys on the groundwater well network on St. George, and St. Paul Island for the development of a groundwater flow model. In the past years, he has taken on a number of additional survey projects around the country, including work for the U.S. Army Corps of Engineers at the Wyckoff/Eagle Harbor Superfund Site on Bainbridge Island, Washington, bathymetric surveying of Bayou LaBranche in Louisiana, and a site characterization survey on Sledge Island, Alaska in coordination with the NOAA Facilities and Logistics Division. He has established survey control for the GPS base station operation on the Pribilof Islands, the Wyckoff-Eagle Harbor Superfund Site, and Bayou LaBranche. His professional experience also includes conducting soil analyses using thin layer chromatography and participating in several conferences pertaining to GIS/GPS.

He maintains a current 40 hr HAZWOPER certificate, as is a certified AHERA Building Inspector and a certified Lead-Based Paint inspector by EPA Region 10 and the State of Washington. He has also received training from ESRI cartographic seminars, and participated in a University of Washington credited extension program on remote sensing.